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1903

THIRTY-FOURTH ANNUAL REPORT

OF THE

BOARD OF DIRECTORS

OF

CITY TRUSTS

OF THE

CITY OF PHILADELPHIA

*FOR THE YEAR 1903.*

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PHILADELPHIA:  
PRESS OF ALLEN, LANE & SCOTT,  
1211-1213 Clover Street.  
1904.





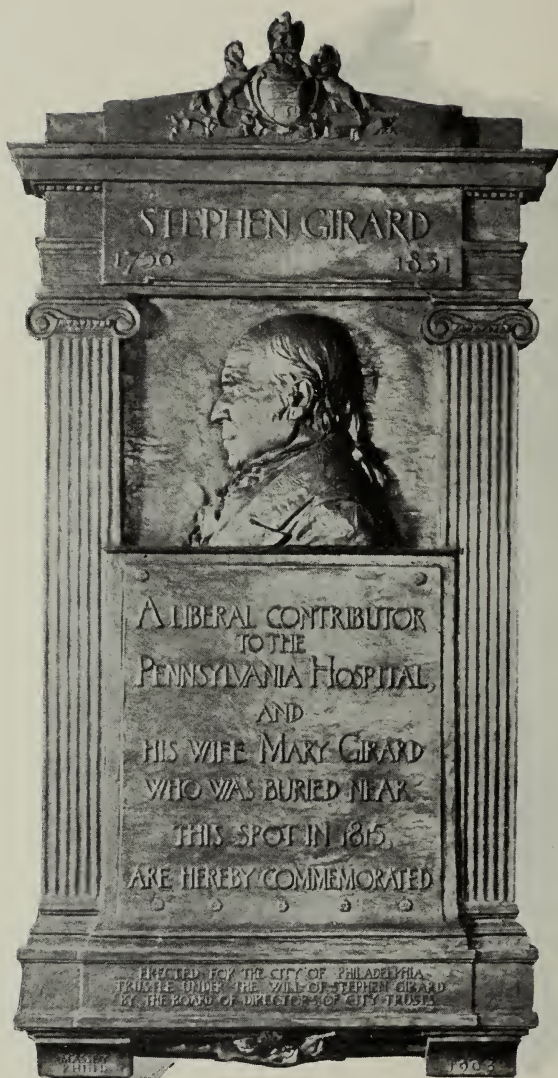






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MEMORIAL TABLET  
UNVEILED OCTOBER 27TH, 1903.  
PENNSYLVANIA HOSPITAL,  
PHILADELPHIA.

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1904.



BOARD OF DIRECTORS  
OF  
CITY TRUSTS  
1904.

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LOUIS WAGNER, *President*,  
S. W. cor. Broad and Market Streets.

JOSEPH L. CAVEN, *Vice-President*,  
523 Chestnut Street.

FRANCIS SHUNK BROWN,  
815 Stephen Girard Building.

JOHN M. CAMPBELL,  
215 South Sixth Street.

JOHN H. CONVERSE,  
500 North Broad Street.

JOHN K. CUMING,  
Broad and Columbia Avenue.

WILLIAM H. LAMBERT,  
1001 Chestnut Street.

JOHN H. MICHENER,  
397 Chestnut Street.

ALFRED MOORE,  
N. E. cor. Broad and Sansom Sts.

WILLIAM POTTER,  
1001 Chestnut Street.

DALLAS SANDERS,  
S. W. cor. Broad and Chestnut Sts.

EDWIN S. STUART,  
9 South Ninth Street.

MEMBERS OF THE BOARD, "EX OFFICIO."

JOHN WEAVER, *Mayor*,  
City Hall.

HARRY C. RANSLEY, *President Select Council*,  
1120 South Tenth Street.

GEORGE McCURDY, *President Common Council*,  
803 Commonwealth Building.

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FRANK M. HIGHLEY, *Secretary*,  
Stephen Girard Building.

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OFFICE.—STEPHEN GIRARD BUILDING, 21 S. TWELFTH ST., PHILADELPHIA.

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STATED MEETINGS, ON THE SECOND WEDNESDAY OF EACH  
MONTH, AT 3.30 P. M.

# COMMITTEES.

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## HOUSEHOLD AND INFIRMARY OF GIRARD COLLEGE.

JOHN H. CONVERSE, *Chairman.*

JOSEPH L. CAVEN,	WILLIAM H. LAMBERT,
JOHN K. CUMING,	ALFRED MOORE,
EDWIN S. STUART,	PRES.COMMON COUNCIL

## INSTRUCTION AND LIBRARY OF GIRARD COLLEGE.

JOHN M. CAMPBELL, *Chairman.*

JOHN H. MICHENER,	DALLAS SANDERS,
JOHN H. CONVERSE,	FRANCIS SHUNK BROWN,
JOHN K. CUMING,	THE MAYOR.

## ADMISSION, DISCIPLINE, AND DISCHARGE, GIRARD COLLEGE.

DALLAS SANDERS, *Chairman.*

JOSEPH L. CAVEN,	FRANCIS SHUNK BROWN,
WILLIAM H. LAMBERT,	WILLIAM POTTER,
ALFRED MOORE,	PRES. SELECT COUNCIL.

## GIRARD ESTATE WITHIN THE CITY.

JOSEPH L. CAVEN, *Chairman.*

JOHN H. MICHENER,	FRANCIS SHUNK BROWN,
JOHN M. CAMPBELL,	WM. POTTEE,
ALFRED MOORE,	PRES. SELECT COUNCIL.

## GIRARD ESTATE WITHOUT THE CITY.

JOHN K. CUMING, *Chairman.*

JOHN H. MICHENER,	EDWIN S. STUART,
JOHN H. CONVERSE,	WILLIAM H. LAMBERT,
DALLAS SANDERS,	PRES.COMMON COUNCIL.

## WILLS HOSPITAL AND MINOR TRUSTS.

WM. H. LAMBERT, *Chairman.*

JOHN K. CUMING,	EDWIN S. STUART,
DALLAS SANDERS,	ALFRED MOORE,
JOHN M. CAMPBELL,	PRES.COMMON COUNCIL.

## FINANCE.

EDWIN S. STUART, *Chairman.*

JOHN H. MICHENER,	JOHN M. CAMPBELL,
JOSEPH L. CAVEN,	WILLIAM POTTER,
JOHN H. CONVERSE,	THE MAYOR.

## EXECUTIVE COMMITTEE.

PRESIDENT OF THE BOARD AND CHAIRMEN OF THE STANDING COMMITTEES.

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*The President of the Board is Ex-officio a Member of all Committees.*

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# STATED MEETINGS.

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## AT GIRARD COLLEGE,

On Friday preceding second Wednesday:

Instruction and Library at 3 P. M.

Admission, Discipline, and Discharge at  
3.30 P. M.

Household and Infirmary at 4 P. M.

## AT No. 21 SOUTH TWELFTH STREET:

Girard Estate without the City.

Thursday preceding second Wednesday at  
3.15 P. M.

Girard Estate within the City.

Friday preceding second Wednesday at  
9.30 A. M.

Finance.

Tuesday preceding second Wednesday at  
9 A. M.

## WILLS HOSPITAL AND MINOR TRUSTS.

Monday preceding second Wednesday at  
3.30 P. M., at Wills Hospital.

## EXECUTIVE.

At the call of the Chairman.

## DIRECTORS OF GIRARD WATER COMPANY.

Thursday preceding second Wednesday at  
3.10 P. M., at No. 21 South  
Twelfth Street.

# The Board of Directors of City Trusts, 1869-1904.

## MEMBERS OF THE ORIGINAL BOARD OF DIRECTORS OF CITY TRUSTS APPOINTED SEPTEMBER 2, 1869.

GUSTAVUS S. BENSON . . . . .	Died March 22, 1883.
ALEXANDER BIDDLE . . . . .	Resigned Dec. 1884.
JAMES CAMPBELL . . . . .	Died Jan. 27, 1893.
JAMES L. CLAGHORN . . . . .	" Aug. 25, 1884.
CHARLES H. T. COLLIS . . . . .	Resigned June 11, 1884.
J. GILLINGHAM FELL . . . . .	" Sept. 9, 1874.
EDWARD KING . . . . .	" Feb. 14, 1872.
WILLIAM B. MANN . . . . .	Died Oct. 17, 1896.
JOHN H. MICHENER . . . . .	
HENRY M. PHILLIPS . . . . .	Died Aug. 28, 1884.
GEORGE H. STUART . . . . .	" April 11, 1890.
WILLIAM WELSH . . . . .	" Feb. 11, 1878.

### "EX-OFFICIO" MEMBERS.

DANIEL M. FOX, <i>Mayor</i> . . . . .	Term expired Jan. 1, 1872.
SAMUEL W. CATTELL, <i>President Select Council</i> " . . . . .	" Jan. 1, 1872.
LOUIS WAGNER, <i>President Common Council</i> . . . . .	" Jan. 2, 1871.

## APPOINTMENTS ON BOARD OF DIRECTORS OF CITY TRUSTS SUBSEQUENT TO SEPTEMBER 2, 1869.

APPOINTED	
W. HEYWARD DRAYTON . . . . .	Feb. 14, 1872. Died Oct. 9, 1892.
LOUIS WAGNER . . . . .	Jan. 4, 1875.
GEORGE L. HARRISON . . . . .	March 18, 1878. Resigned Dec. 17, 1881.
BENJAMIN B. COMEGYS . . . . .	Jan. 7, 1882. Died March 29, 1900.
JOSEPH L. CAVEN . . . . .	March 31, 1883.
WILLIAM L. ELKINS . . . . .	Oct. 6, 1884. Died Nov. 7, 1903.
JAMES SIMPSON, M. D. . . . .	" 6, 1884. Resigned March 5, 1888.
RICHARD VAUX . . . . .	" 6, 1884. Died March 22, 1895.
WILLIAM HENRY RAWLE . . . . .	Jan. 12, 1885. " April 19, 1889.
ALEXANDER BIDDLE (reappointed) . . . . .	April 2, 1888. " May 2, 1899.
JOHN H. CONVERSE . . . . .	June 3, 1889.
EDWARD S. BUCKLEY . . . . .	" 2, 1890. Resigned May 13, 1903.
JOHN K. CUMING . . . . .	Dec. 5, 1892.
DALLAS SANDERS . . . . .	March 6, 1893.
JOHN M. CAMPBELL . . . . .	April 15, 1895.
EDWIN S. STUART . . . . .	Dec. 7, 1896.
WILLIAM H. LAMBERT . . . . .	June 5, 1899.
ALFRED MOORE . . . . .	" 4, 1900.
FRANCIS SHUNK BROWN . . . . .	Sept. 21, 1903.
WILLIAM POTTER . . . . .	Jan. 4, 1904.



# "EX-OFFICIO" MEMBERS.

WILLIAM S. STOKLEY, <i>Mayor</i>	Jan. 1, 1872, to April 4, 1881.
SAMUEL G. KING, "	April 4, 1881, to " 7, 1884.
WILLIAM B. SMITH, "	" 7, 1884, to " 4, 1887.
EDWIN H. FITLER, "	" 4, 1887, to " 6, 1891.
EDWIN S. STUART, "	" 6, 1891, to " 1, 1895.
CHARLES F. WARWICK, "	" 1, 1895, to " 3, 1899.
SAMUEL H. ASHBRIDGE, "	" 3, 1899, to " 6, 1903.
JOHN WEAVER, "	" 6, 1903.

WM. E. LITTLETON, <i>President Select Council</i>	Jan. 1, 1872, to Jan. 5, 1874.
*ROBERT W. DOWNING, " " "	" 5, 1874, to July 8, 1875.
W. W. BURNELL, M. D., " " "	July 8, 1875, to Jan. 3, 1876.
*GEORGE A. SMITH, " " "	Jan. 3, 1876, to Nov. 3, 1881.
GEORGE W. BUMM, " " "	Nov. 3, 1881, to April 3, 1882.
WILLIAM B. SMITH, " " "	April 3, 1882, to April 7, 1884.
JAMES R. GATES, " " "	" 7, 1884, to " 3, 1893.
JAMES L. MILES, " " "	" 3, 1893, to Jan. 3, 1903.
EDWARD W. PATTON, " " "	Jan. 8, 1903, to April 6, 1903.
HARRY C. RANSLEY, " " "	April 6, 1903.

*HENRY HUHNS, <i>President Common Council</i>	Jan. 2, 1871, to Feb. 15, 1872.
LOUIS WAGNER, " " "	Feb. 15, 1872, to Jan. 6, 1873.
A. W. HENSZEY, " " "	Jan. 6, 1873, to " 3, 1876.
JOSEPH L. CAVEN, " " "	" 3, 1876, to April 4, 1881.
WILLIAM H. LEX, " " "	April 4, 1881, to " 7, 1884.
CHAS. LAWRENCE, " " "	" 7, 1884, to " 2, 1888.
†WILLIAM M. SMITH, " " "	" 2, 1888, to May 4, 1892.
WENCEL HARTMAN, " " "	May 12, 1892, to Dec. 28, 1899.
GEORGE McCURDY, " " "	Jan. 4, 1900.

## *President.*

## **OFFICERS.**

†WILLIAM WELSH . . . . .	Sept. 13, 1869, to Feb. 11, 1878.
HENRY M. PHILLIPS . . . . .	March 13, 1878, to Dec. 14, 1881.
ALEXANDER BIDDLE . . . . .	Dec. 14, 1881, to Dec. 10, 1884.
†W. HEYWARD DRAYTON . . . . .	Dec. 10, 1884, to Oct. 9, 1892.
LOUIS WAGNER . . . . .	Nov. 9, 1892.

## *Vice-President.*

HENRY M. PHILLIPS . . . . .	May 11, 1870, to March 13, 1878.
ALEXANDER BIDDLE . . . . .	March 13, 1878, to Dec. 14, 1881.
W. HEYWARD DRAYTON . . . . .	Dec. 14, 1881, to Dec. 10, 1884.
LOUIS WAGNER . . . . .	Dec. 10, 1884, to Nov. 9, 1892.
†JAMES CAMPBELL . . . . .	Nov. 9, 1892, to Jan. 27, 1893.
JOSEPH L. CAVEN . . . . .	April 12, 1893.

## *Secretary.*

HENRY W. AREY . . . . .	Feb. 25, 1870, to Jan. 9, 1878.
CHAS. T. MILLER . . . . .	Jan. 9, 1878, to Dec. 31, 1884.
FRANK M. HIGHLEY . . . . .	Jan. 1, 1885.

\* Resigned.

† Died.



THE  
THIRTY-FOURTH ANNUAL REPORT  
OF THE  
BOARD OF DIRECTORS OF CITY TRUSTS

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*To the Councils of the City of Philadelphia, the Board of Appointment, composed of the Judges of the Courts of Common Pleas of the County of Philadelphia, and the Legislature of the Commonwealth of Pennsylvania:*

GENTLEMEN:

IN compliance with the Act of Assembly entitled "A Further Supplement to an Act entitled 'An Act to Incorporate the City of Philadelphia, approved the second day of February, one thousand eight hundred and fifty-four,' creating a Board called Directors of City Trusts," approved June 30th, 1869, the Board of Directors of City Trusts respectfully present this the Thirty-fourth Annual Report of the several Trusts under their administration, for the year ended December 31st, 1903.

The terms of office of the Honorable Samuel H. Ashbridge as Mayor of the City, and of Mr. Edward W. Patton as President of the Select Council, having expired on April 6th, 1903, their successors in office, the Honorable John Weaver, Mayor, and Mr. Harry C. Ransley, President of the Select Council, became *ex officio* members of the Board on that day.

Mr. Edward S. Buckley resigned his membership in the Board on May 13th, 1903. At the stated meeting held on that day the following minute, expressive of the regret felt by the members because of Mr. Buckley's retirement, was unanimously adopted:

"In noting the resignation of Mr. Edward S. Buckley as a member of the Board of Directors of City Trusts, tendered by him to the Board of Appointment, we desire to enter of record an expression of the regrets, personal and official, we have at the severance of the pleasant relations which have existed for so many years between us.

"Mr. Buckley was appointed a member of the Board on June 2d, 1890, and at once took a prominent and active part in the management of the Trusts under our care. He was wise in counsel, active in the discharge of the work of the Committees upon which he served, and contributed greatly to the success of the many important measures requiring the attention of the Board during the thirteen years of his membership.

"The Board regrets the reasons given in Mr. Buckley's letter as the cause of his resignation, and trusts that he may have early restoration to health, and yet many years of usefulness in our community."

William L. Elkins died on November 7th, 1903, after a membership in the Board of more than nineteen years.

The Board, called in special session on November 10th, adopted unanimously the following minute, and subsequently adjourned to attend the funeral of Mr. Elkins:

"The Board of Directors of City Trusts, assembled this day in special session by reason of the decease of Mr. William L. Elkins, desires to place on record its tribute to his long and priceless services in connection with the various trusts committed to the care of the City of Philadelphia.

“Mr. Elkins was, on October 6th, 1884, appointed by the Honorable Judges of Philadelphia a member of this Board and for eighteen years past filled the responsible position of Chairman of the Committee on Finance, and during all the term of his appointment was a member of the Committee having in charge the real estate within the city of Philadelphia belonging to the Estate of Stephen Girard, deceased.

“In the discharge of his duties in these positions and in other relations he brought to bear a rigid regard for the sacredness of the trusts committed to his care, guarding their interests in every way by his large experience and his watchful sagacity and foresight.

“In official acknowledgment of this great obligation for services rendered, it is the desire of the Board at the same time to testify not only to the high personal regard and respect entertained by every member of this Board for Mr. Elkins, but also to his uniform kindly and gentlemanly bearing in all official and personal relations.

“It is directed that this minute be entered upon the records of the Board of Directors of City Trusts and that an appropriate notification of this action be sent to the family of Mr. Elkins.”

The Board of Appointment, on September 21st, 1903, filled the vacancy caused by Mr. Buckley's resignation by appointing Mr. Francis Shunk Brown a member of the Board.

The changes in the membership of the Board during 1903 were greater in number than in any previous year, but the several trusts under our care have received the same faithful attention as heretofore, and with the same gratifying results.

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The vacancy caused by Mr. Elkins' death was filled on January 4th, 1904, by the appointment of Hon. William Potter.

The executive officers and employés are again entitled to a public recognition of the faithful and conscientious manner in which they have discharged their several duties.

The report of the PRESIDENT OF GIRARD COLLEGE (*Appendix D*), with the appended reports of the other officers, gives the usual satisfactory account of the administration of this Institution during the year and of its excellent condition at the close.

The following changes in the Faculty and in the Household of the College occurred during the year:

#### DIED.

John Uprichard, Instructor in Plumbing, on March 12th.

Marian B. Heritage, Instructor in Elocution, on April 14th.

George J. Becker, Professor Emeritus of Penmanship, Drawing, and Bookkeeping, on June 13th.

Warren Holden, Professor Emeritus of Mathematics, on August 23d.

Willard B. Rivell, Prefect, on April 21st.

#### RESIGNED.

Miss Iona M. Nowlen, Teacher in Second School, May 16th.

Miss Martha D. Sharp, Teacher in First School, May 20th.

Miss Edna Leiper, Teacher in First School, August 31st.

Miss Hannah F. Sherron, Teacher in First School, December 31st.

Mr. Frank H. Danenhour, Prefect, January 15th.

The vacancies were filled by the following appointments:

Mr. Alfred J. Rudolph, vice Uprichard.

Miss Elsie Woodworth Read, vice Heritage.

Miss Sarah A. Conard, Miss Mary E. Templin, Miss Roberta H. Hobbs, Teachers.

Mr. William Reynolds and Mr. Richard J. Gustin, Prefects.

Professor Becker had been a teacher in the Girard College since 1849, and Professor Holden an officer and a teacher since 1851, and Miss Heritage a teacher since 1882.

Mr. Rivell, a graduate of the College, had served as Prefect since 1872.

Attention is called to the very appropriate paragraphs in the report of the President entitled "In Memoriam," and relating to the persons herein named.

Professor Frederick A. Finkeldey was appointed Instructor in Physical Training, but will not enter upon duty until January 21st, 1904.

The appointment of a gentleman of such large and satisfactory experience in this line of education, will be of great advantage to our boys. The suggested gymnasium is still in the future, but it will no doubt be erected in good time.

The changes introduced in the Third and Fourth Schools and in the Mechanical School required a complete revision in the course of study which will be fully introduced during the year 1904.

The report of the President upon this subject deserves careful examination.



The Superintendent of the Mechanical School submits a report giving in detail the changes incident to the granting of more time for attendance in his department, and of the gratifying results to the young men pursuing the studies in the trade classes.

The first class to complete the additional two years' course, which includes pupils in

Electrical mechanics.....	5
Wood working.....	6
Metal working.....	3

will graduate with honor on January 31st, 1904.

The principal library of the College now contains 16,665 volumes, and the 41 school- and 31 section-room libraries 16,167 volumes.

The latter are in daily use during school- and study-hours, whilst the former was visited during the year by

Teachers and Officers .....	2,664
Pupils .....	6,026

The subject of holidays and vacations receives full attention, and the report shows that all but a small proportion of our boys have ample recreation outside the College.

May the 20th, Founder's Day, was celebrated in the usual manner, The Honorable William W. Porter delivered an able address and Lieutenant-General S. B. M. Young, the senior officer U. S. A., reviewed the Battalion of Cadets.

A collation was served to 990 Alumni, who spent this day with their Alma Mater.

The weather was beautiful and the large gathering was of more than ordinary interest.

The Encampment of the Battalion of Cadets was held at the usual time and place and, barring the more than ordinarily numerous and annoying mosquitoes, was a pleasant and a profitable outing for our boys.

At our request, Major H. G. Cavanaugh, U. S. A., retired, has been detailed by the War Department as Military Instructor for another term of four years, beginning April 14th, 1904.

The buildings and grounds, excepting Building No. 7, needed only the ordinary care and are in good condition.

Building No. 7, was thoroughly renovated. Fresh paint, new floors, some tiling, and a general overhauling of the plumbing have added much to the appearance of its interior, as well as to the comfort and good health of the officers, teachers, and 320 boys who make this building their home.

All boys admitted to the College are assigned to this building and continue there until promoted to the higher schools.

To prevent the erection of a possibly undesirable building, the Girard Estate bought, in 1878, the old dwelling house situated at the corner of Girard, South College, and Corinthian Avenues, and when the Steward's residence in the grounds was removed to make room for Building No. 7, that officer was transferred to this house.

The building became so dilapidated as to be untenable and a three-story dwelling house, of Pompeian brick, was erected in its place as a residence for our present Steward.

The structure is a comfortable place of abode and an ornament to the neighborhood.

The report of the PHYSICIANS is one of statistics only and, except as to the increased number of deaths, these are gratifying.

The total number of cases treated was..... 2,568

A decrease from the previous year of..... 297

And over the year 1901 of..... 504

Six deaths of pupils occurred during the year, viz.: from

Malignant endocarditis..... 2

Pericarditis..... 1

Phthisis pulmonalis..... 1

Pyæmia..... 1

Tumor of the brain..... 1

It will be noted that the causes of death cannot be attributed to any unsanitary condition of buildings or grounds.

During the year there were five operations for appendicitis, the first three at the German Hospital and the other two in our own newly established operating room. All the operations were successful.

The general health of the College, pupils, employés, and officials, was excellent.

The report of the STEWARD gives in detail the provisions furnished and a statement of repairs to buildings and grounds.

The average cost of subsistence *per capita* of pupils, \$74.62, includes that furnished the officers and employés at the College tables, but it is calculated only upon the average number of pupils, 1,519.



The total, \$113,354.78, includes the subsistence of the Summer Encampment and of the collation to the Alumni on Founder's Day. Compared with the preceding year there is an increase of \$1,820.44, caused by the increased price of provisions.

The MATRON states that the work of the Household of the College progresses so satisfactorily that no special report need be made.

The population of the College during the year 1903 was as follows:

Number of pupils January 1st, 1903.....	1,493	
Admitted during the year.....	209	
		1,702
During the year there were		
College indentures canceled to enable boys to accept employment.....	178	
Returned to mothers and friends, transferred to other institutions, &c.....	18	
Left at eighteen years of age.....	14	
Died.....	6	
		216
Number of pupils December 31st, 1903.....		1,486
Officers { Instruction.....	66	
Household.....	48	
		114
Employés of household.....	274	
		388
Total, December 31st, 1903.....		1,874

The following table shows the number of applicants registered for admission into Girard College, and the number of boys in the College on January 1st, 1904, born in the different counties of Pennsylvania:

County.	On the List of Applicants.	In the College.	County.	On the List of Applicants.	In the College.
Adams . . . . .	1	2	Monroe . . . . .	3	2
Allegheny . . . . .	5	6	Montgomery . . . . .	23	58
Bedford . . . . .		4	Montour . . . . .		4
Berks . . . . .	12	25	Northampton . . . . .	5	16
Blair . . . . .	15	21	Northumberland . . . . .	21	20
Bradford . . . . .	1	6	Perry . . . . .	1	1
Bucks . . . . .	5	23	Schuylkill . . . . .	46	92
Butler . . . . .		1	Snyder . . . . .	1	
Cambria . . . . .	1	4	Somerset . . . . .		1
Cameron . . . . .	2	1	Sullivan . . . . .	1	1
Carbon . . . . .	3	10	Susquehanna . . . . .	2	10
Centre . . . . .	2	12	Tioga . . . . .	2	1
Chester . . . . .	18	34	Union . . . . .	1	
Clearfield . . . . .	6	14	Venango . . . . .	1	1
Clinton . . . . .	8	21	Warren . . . . .		1
Columbia . . . . .	9	12	Washington . . . . .	1	2
Crawford . . . . .	3	5	Wayne . . . . .	3	5
Cumberland . . . . .	7	9	Westmoreland . . . . .	4	2
Dauphin . . . . .	13	29	Wyoming . . . . .	4	1
Delaware . . . . .	28	43	York . . . . .	3	2
Elk . . . . .	3	3			
Erie . . . . .	3	1		377	675
Fayette . . . . .		1			
Forest . . . . .	1		Philadelphia (out-		
Franklin . . . . .	1	3	side of Old City),	354	686
Huntingdon . . . . .	9	5	Old City of Phila-		
Indiana . . . . .	3	3	delphia . . . . .	2	125
Jefferson . . . . .	4	15			
Lackawanna . . . . .	16	24		733	1,486
Lancaster . . . . .	14	26			
Lebanon . . . . .	4	12	Outside of the		
Lehigh . . . . .	2	7	State of Penn-		
Luzerne . . . . .	40	53	sylvania . . . . .	16	
Lycoming . . . . .	13	15			
Mifflin . . . . .	3	5		749	1,486

In the number registered for admission there is an increase  
from Philadelphia of . . . . . 10  
and a decrease from other parts of Pennsylvania, &c., . . . . . 38  
Total decrease . . . . . 28

There are pupils in the College, or applicants registered for admission, from 56 of the 67 counties of the State.

The SUPERINTENDENT OF ADMISSION AND INDENTURES reports 209 admissions and 216 dismissals of pupils from the Girard College; also a summary of the present condition and the immediate future prospects of the 1,146 young men honorably discharged from the College during the years 1897 to 1902.

These reports are generally satisfactory and they evidence the fact that the education received at the College contributes to make better citizens of those received as wards of Mr. Girard's bounty.

The demand for stenographers and typewriters is still in excess of the ability of the College to graduate young men trained for this work.

It is hoped that there may be a like demand for the graduates who have creditably passed the additional course of two years' training in the Mechanical School.

An event out of the usual routine of the affairs of the Girard Estate was the unveiling on October 27th, 1903, of a memorial tablet to Mr. Girard and his wife, Mary Girard, in the hall of the Pennsylvania Hospital.

Mr. Girard had a life long interest in the affairs of this Hospital and was a continual contributor to its funds.

When Mrs. Girard became ill she was cared for in this Institution. Here her daughter was born and here both mother and child died and were buried, but the place of interment is not now known.

At Mr. Girard's death, it was found that the Pennsylvania Hospital was one of the many legatees named in his will and for a sum then large in amount.

It was deemed proper that all these facts should be permanently recorded, and the sculptor, Mr. J. Massey Rhind, was commissioned to design and cast a suitable tablet with the following inscription:

“ 1750

1831

STEPHEN GIRARD

(Medallion of Mr. Girard.)

A liberal contributor to the Pennsylvania Hospital, and his wife, Mary Girard, who was buried near this spot in 1815, are hereby commemorated.”

On the base of the Tablet is this inscription:

“ Erected by the City of Philadelphia, Trustee under the will of Stephen Girard, deceased, by the Board of Directors of City Trusts, 1903.”

Many of Philadelphia's most prominent citizens, the members of our Board, and the officers and managers of the Hospital were present at the unveiling.

Mr. Benjamin H. Shoemaker, President of the Hospital, occupied the chair. Major William H. Lambert, of the Board of Directors of City Trusts, made the address presenting the tablet, to which address Mr. John B. Garrett responded. The exercises were simple but appropriate and expressive.

To make proper record of the event, this note and the short but effective addresses of the occasion are here printed.

## MAJOR LAMBERT'S ADDRESS.

“The years which have passed since the death of Stephen Girard have enlarged his fame because they have enhanced the appreciation of his great worth. Indeed, time was needed to show the wisdom and beneficence of his disposition of his vast Estate and to enable fitting appraisal to be given his work, and it is only within recent years that attention has been directed to the importance and justice of appropriate commemoration of his name and his deeds. His grandest memorial will ever be the Institution founded by his bounty and honored by his name—a memorial splendid in its physical expression, but more splendid still in its beneficent and far reaching results; beside it any other memorial must be insignificant. Yet it is right that elsewhere than in his College tributes should be erected to his memory.

“The Board of Directors of City Trusts, to which has been committed the administration of the Estate of Stephen Girard, has gladly taken advantage of every opportunity to direct attention to his worth, and therefore gave to the two great buildings recently erected the names respectively of himself and of his vocations—assured that could he know, he would approve structures that not only served to commemorate him but in so doing contributed materially to aid the good causes to which he had dedicated his Estate. And the Board rejoiced in giving permission to his grand niece—bearing his honored name, by twofold right to erect a tablet expressive of her pride in the heroism and humanity which were manifested by her kinsman in his devoted service to his fellow-citizens in months of gravest peril and direst distress. And again when, incited by this example, the beneficiaries of his generosity—the graduates of his College—reared the Statue of the Founder close by the City Hall, where daily thousands of passersby—our own people and visitors as well—might behold the lineaments of the great citizen who had generously given his wealth to the loved city of his adoption. With kindred spirit the Board is engaged in careful examination and classification of Mr. Girard's voluminous correspondence,



to the end that it may be safely preserved and, if need be, afford material for a full and adequate history of his successful career. And thus it welcomes the opportunity which has been given by the management of the Pennsylvania Hospital to place upon the walls of this honored institution a tablet which shall record the generosity of Stephen Girard to this great charity. Compared with the benefaction in which the College had its origin, his gifts to other institutions and objects—though generous in themselves—seem small, but they testify the wisdom of his selection and his recognition of their desert. His gift to this hospital is of especial significance—in that it is the first named in his wonderful will—following immediately upon the formal opening paragraph, and is the largest of his bequests to private charities—and in that he recites that he is himself a member of the corporation—and also ‘because whilst directing that the income shall be devoted to the use and accommodation of the sick it is to provide for competent matrons and nurses in order not only to promote the purposes of the said hospital, but to ‘increase this last class of useful persons so much needed in our city’—a need of the existence of which he had had ample opportunity to learn in his personal contact with disease and suffering whilst ministering to the sick and dying. But there was especial cause why his mind should first recur to the Pennsylvania Hospital—for here his wife had lived and died, and here was her grave; here, too, had been born their only child. Associated with the saddest memories of his long and checkered life, it was but natural that this institution should come first to his mind in the selection of objects for his benevolence. The known facts of Stephen Girard’s married life are but few. He was married on the sixth day of June, 1777, to Mary Lum—ten years his junior—of whom he wrote to his father, ‘I have taken a wife—without fortune it is true—but whom I love and with whom I live happily. She begs me to send you a thousand assurances of her respect.’ In letters from his brother John are many references and messages to Mrs. Girard which indicate the continuance of the happy relation of husband and wife for nearly eight years—when its termination was threatened by

unmistakable evidences of her insanity; with intermissions of the disorder there came hopes of recovery, only to be proven delusive; and after five years in which no effort was spared to effect her cure, Mrs. Girard was brought to this hospital on the thirty-first day of August, 1790, and here in the following March she gave birth to a daughter—to whom was given her own name, Mary, and who was sent to the country, where, despite most careful nursing, she died in a few months. The mother remained continuously here until her death in September, 1815. She was buried in the lawn within this enclosure, where it is said that it was Mr. Girard's intention also to be buried—a purpose, however, which was not fulfilled. Her remains still lie in the grave to which they were committed in her husband's presence, and although the site is now unknown—careful investigation having failed to discover it—we have satisfaction in believing that they have never been disturbed. To record the fact of her burial here is also the purpose of this tablet.

“Neither time nor opportunity permits me to enlarge upon other phases of the life of the wonderful man, whose generosity to this hospital we now commemorate, and to whose wife we pay tribute in associating her name with his in the enduring bronze. And I may not strive to imagine how differently Stephen Girard might have disposed of his great wealth, had not his married life gone out in the tragedy whose final scenes were here enacted. He outlived his wife—saddened and chastened—to achieve such results and to dispose so wisely of his vast accumulations that his deserved repute as successful mariner and merchant has grown dim in the greater glory of his fame as patriot and philanthropist.

“On behalf of the Board of Directors of City Trusts, I commit to the care of the Managers of this Hospital this tablet, which recites that ‘Stephen Girard, a liberal contributor to the Pennsylvania Hospital, and his wife, Mary Girard, who was buried near this spot in 1815, are hereby commemorated,’ and in so doing I rejoice that in this noble charity, with its long and splendid history, is to be preserved the name and portraiture of him who was proud to be one of its corporators, and who, inspired by the ex-

ample and the teachings of the religious body in which it had its origin and which has ever been wisely dominant in its management, with whose members he formed his warmest attachments, founded an institution of unexampled beneficence, by which and other generous deeds the glory of the City of Penn was enhanced by the life and work of Stephen Girard."

John B. Garrett, one of the Managers of the Hospital, having been introduced by the chairman, spoke substantially as follows:

"In the name of The Contributors to the Pennsylvania Hospital, our corporate title, and in behalf of its Board of Managers, I accept this welcome addition to its valuable collection of memorial works of art, which will be found in various parts of this and the adjacent buildings, as well as in the departments located west of the Schuylkill, which are parts of the same institution, and subject to the same management.

"The life of Stephen Girard was coincident with the first half of the history of this hospital. He was born the year preceding its foundation, and he lived over eighty years. An impression seems to have gained some currency that he was not a man of large mould, nor of much interest in humanity, and therefore not a character to invite our admiration. His chosen occupation of 'merchant and mariner' must surely have widened his general horizon, and his manifested interest in this hospital gives evidence of an interest in humanity and its sufferings. The history of the hospital attests that as early as the closing decade of the eighteenth century, when yellow fever prevailed in Philadelphia, he was one of the largest contributors to the resources of the hospital with which to combat the dread disease, and that he shrank not from personal contact with the sufferers, if thereby he might minister to their relief. His various gifts to the institution may look small when compared with his munificent contribution to the education of orphans, but judged by other standards of that day, they were liberal and valuable.



The example of Jesus, in placing the highest estimate upon the widow's mite, must ever be the standard of us all; but as it is impracticable to present effectively to public view the multitude of contributions to such institutions like this, we may be excused if, for their influence in awakening a more general interest, and making possible the conduct of such as are dependent on the beneficence of private citizens, some of the larger contributions and contributors are selected and memorialized.

"We recognize the merit of this artistic tablet, and are glad to give it fitting recognition in this hall, where the famous painting of 'Christ Healing the Sick,' by Benjamin West, adorns the neighboring wall. The history of this painting is worthy of our notice. Born in the immediate neighborhood of Philadelphia, West had removed to England, and was following his profession in London about the beginning of the nineteenth century, when he was solicited to use his brush in aid of this hospital. He promised to do it. Some years elapsed, and he was advised that the hospital was approaching completion, and that the fulfillment of his promise would be welcomed. He selected this appropriate subject, and completed the work, but the King of England was disinclined to allow the painting to leave his country. The artist yielded, and received three thousand guineas for his work. He then determined to paint a similar picture, improved as he thought in the detail of its conception, in fulfillment of his original intention. The result was this which you see. It hung for many years in a special building on these grounds, fronting on Spruce Street, and was exhibited to the public for a small fee, and yielded to the hospital an aggregate of more than fifteen thousand dollars in excess of the cost of its care and exhibition.

"One cannot think of the expression used as an argument for the completion of West's work a century ago that the hospital approached completion without some sense of amusement, in view of the wonderful expansion of the institution since that time. Sixty years ago, the first of the two large departments for the insane was opened for use beyond the

Schuykill, and the patients of that class removed from these premises to it. About eighteen years later the second large hospital building was opened there, the insane men removed to it, and the first devoted exclusively to women. And within the past dozen years this property on which we are met has been completely transformed. The three new pavilions on Spruce Street, the Nurses' Home at the corner of Ninth, and the building at the corner of Eighth, in which the surgical operating rooms, the clinic hall, the children's ward, and the receiving wards are located—all these are creations of these last few years; beside which the original building has been completely renewed within, and adapted to the improved methods of modern medical and surgical practice. Well nigh a million of dollars have been expended in these improvements, and the annual expenditure for conducting this one department of the hospital, on its enlarged and improved scale, has been increased about sixty thousand dollars. An increase of the endowment of nearly a million and a half would be required to meet this increased cost of maintenance, and such an endowment is the hospital's need of to-day.

"In conclusion, let me repeat that this artistic memorial tablet of one of our early benefactors is gratefully accepted as one of the treasures of the Pennsylvania Hospital."

The report of the SUPERINTENDENT OF GIRARD ESTATES (*Appendix A*) shows the following receipts:

	Gross.	Net.
From Real Estate within the City, \$728,808 01		\$386,398 78
Stocks, Bonds, &c..... 197,089 62		196,551 52
Total.....	\$925,897 63	\$582,950 30
From same sources in 1902..... 862,670 31		572,377 71
an increase of.....	\$63,227 32	\$10,572 59

The comparatively large increase in gross receipts from the real estate is the result of a continued demand for offices and other property belonging to the Girard Estate.

This is most noticeable in the vicinity of Third and Chestnut and Dock Streets, the return of the Stock Exchange, the erection of the Mariner and Merchant Building, and the rebuilding of the Girard Bank Building, drawing to that locality the moneyed and other interests which had in previous years moved to the westward.

The store properties at Eleventh and Twelfth and Chestnut and Market Streets and the Stephen Girard Building are all rented; the newly purchased building at the northeast corner of Fifth and Chestnut Streets is occupied, and even the dwelling houses on Fifth, Sixth, Marshall, and Brown Streets and on Fairmount Avenue are finding tenants.

The net income has, however, increased in less proportion, because of the greater cost of maintenance, principally the much higher price of fuel for the two office buildings, and the electric light and power house, and the increase in the assessment values for purposes of taxation.

The Power House in the rear of the Girard Bank Building is fully completed. From this point power, heat, and light are furnished to the properties of the Girard Estate in the immediate vicinity and also at Front and Market Streets and at Fifth and Chestnut Streets. The lighting of these properties, and of Front Street and Delaware Avenue, between Vine and South Streets, heretofore done under contract with the public electric companies, is done from this point, thereby making some saving to the Estate.

The gross receipts from these sources was.....	\$43,439 25
and the net receipts.....	<u>\$12,219 71</u>

The widening of the cartway of Girard Street, between Eleventh and Twelfth Streets, to 22 feet, heretofore reported, is completed. This improvement, of much benefit to the general public, has been made without cost to the city.

Perhaps the most important measure of the year was the purchase, with the approval of the proper court, of the property at the northeast corner of Fifth and Chestnut Streets at a cost of \$220,000.

The lot is 52½ feet front on Chestnut Street and 96 feet 8½ inches on Fifth Street, with a four-story iron and brick building erected thereon occupied as stores and offices.

This purchase, with the property east and north already owned by the Girard Estate, secures a plot of ground 105 feet 8½ inches on Chestnut and Ranstead Streets and 173 feet on Fifth Street, in a neighborhood which appears to be regaining some of its former business activities. Even in its present condition and occupancies it nets a fair return upon the cost.

In the not remote future a large office building will no doubt take the place of the present structures.

During the year the Girard Estate paid the city:

for water rents.....	\$6,498 29
for taxes.....	\$137,862 69
an increase in water rents of.....	\$230 08
and an increase in taxes of.....	\$24,411 40

The increase of nearly 20% in taxes is the result of the increase in assessments made for 1903. Those for 1904 are largely in excess of the figures for the previous year.



This whole matter is now under consideration by the Board of Revision of Taxes, pending which comment upon the equity of the increases would be out of place.

The preparation of the Girard Estate in the southern part of the city for the erection of stores and of dwelling houses is progressing rapidly. Many squares of streets have been graded, sewered, and paved, both cartways and sidewalks.

The opening of other streets is under consideration by virtue of ordinances passed by the Councils of the city and approved by his Honor, the Mayor.

The executive officers of the city are in thorough accord with the Board in this work which will develop, for building purposes, large tracts of land south and west of the Girard Estate.

It is proper to add that the streets through the land under our control are opened and improved without expense to the city.

Plans for a row of houses on the north side of Porter Street, from Seventeenth to Eighteenth Street, are being made and it is expected that these will be built and occupied before the close of the current year.

Work on the completion of Girard Park at Twenty-first and Porter Streets continues.

When first laid out, the city plans intended that Twenty-first Street would cross the tracks of the Baltimore and Ohio Railroad Company overhead, but a revision of the lines and grades in this vicinity ordered by the city makes this and other streets cross on grade and this compelled material changes in the grading of the park. This work will be completed in the early Spring.

Not much has been done in the filling of the low lands of the Estate near Girard Point, the Pennsylvania Railroad Company having found use on its own property for the material dredged from its docks and used for filling.

It is hoped that work on our lands may be resumed this year.

The FIRE INSURANCE FUND is slowly increasing.

The assets amount to.....	\$48,321 20
and the amount at risk to.....	\$1,017,350 00
an increase in assets of.....	\$4,222 48
and an increase in amount at risk of.....	\$4,000 00

There has been no loss by fire during this year.

The income from investments, other than real estate, amounted to \$197,089.62, a decrease from the previous year of \$7,507.71.

This reduction was caused by the sale of bonds to pay for the property at Fifth and Chestnut Streets bought during the year.

In spite of this sale and of the charging to profit and loss of \$43,250.00, the book value of sundry worthless investments received from the Executors of the Girard Estate by the Trustees under Mr. Girard's will, the large receipts from the coal lands later in the year permitted the purchase of other bonds and mortgages, so that the total to the credit of this item at the close of the year was \$5,013,179.99, an increase of \$6,825.00.

The expenditures of the general office of the Estate have been increased by the employment of competent persons to classify and index the voluminous letters and other documents left by Mr. Girard and which had been stored at the College, without system or order, until within the past two years.

To this date the work has progressed as follows:

Assorting and listing to the year 1817, approximately  
18,000 letters.

Cleaning, repairing and pressing to 1811.

Translating to 1795, approximately 900,000 words, equal  
to about 2,600 pages octavo of printed matter.

The improvement of DELAWARE AVENUE still continues.

Plans for the final work, including the laying of three railroad tracks to be used jointly by the companies claiming rights on this thoroughfare are being prepared and contracts will be made at an early day. The accumulated income of the Fund is nearly sufficient in amount to pay for the work.

It is proper to repeat here that this work in all its parts has been without expense of any kind to the taxpayers, and that its future care, cleaning, and lighting, will be defrayed from the income from Mr. Girard's legacy of \$500,000.

The principal of this fund continues at.....	\$500,000 00
and the accumulated income is.....	<u>\$148,005 75</u>

This latter sum will be expended in the completion of the work so satisfactorily brought to its present condition.

The income from investments was in 1903.....	\$27,413 95
and the expenditures, other than for investments, were.....	<u>\$23,935 20</u>
The expenditures included for widening Delaware Avenue .....	<u>\$4,928 30</u>

The removal of wooden buildings is one of the matters named by Mr. Girard in his will as included in the expenditures from this Fund, and during the year 1903 \$250 was paid for the removal of four such structures.

The report of the SUPERINTENDENT (*Appendix A*), with the report of the ENGINEER OF THE GIRARD ESTATE IN SCHUYLKILL AND COLUMBIA COUNTIES (*Appendix B*), and the appended reports, give a full account of the important operations in connection with the Girard Lands in these counties.

The total receipts from real estate outside the city of Philadelphia were:

	Gross.	Net.
In 1903.....	\$462,377.21	\$393,933.75
In 1902.....	192,853.97	128,996.75
Increase.....	<u>\$269,523.24</u>	<u>\$264,937.00</u>

	Tons.	Cwt.
Shipments of coal, 1903.....	1,515,213	14
“ “ 1902.....	636,165	9
Increase.....	<u>879,048</u>	<u>5</u>

The total coal shipped from the Girard Lands in 1903 was.....	1,515,213 tons	14 cwt.
To this should be added coal used for mining purposes.....	186,455 “	17 “
showing an output of.....	<u>1,701,669 “</u>	<u>11 “</u>

Only in the years 1879, 1883, and 1893 were the shipments in excess of those in 1903.

The large increases in shipments of coal, and in the consequent collections from royalties, must be attributed to the fact that during the greater part of 1902 all of our collieries were idle because of the coal miners' strike, and that in 1903 all were in operation and most of them shipping to their full capacity.

Work at some of the collieries was delayed by the repairs made necessary because of the flooding of the mines during the strike, but all of them are now in condition for large shipments.



The new breakers at the Hammond Colliery and at the Kehley Run Colliery, the former with a daily capacity of 2,000 tons, and the latter with 600 tons, are now in operation.

The total shipments of anthracite coal from the State of Pennsylvania in 1903 were 59,362,831 tons, an increase of 28,161,941 tons over the previous year.

The output in 1904 will be even greater if the conditions of manufacturing continue as at present.

The shipments from the Girard lands were  $2\frac{1}{2}$  per cent. of the total shipments, an increase of  $\frac{1}{2}$  per cent. over the previous year.

Because of the increased depths and of the larger extent of territory covered in mining operations, the quantity of coal used for steam and for other purposes increases annually in a greater percentage than that of coal shipped.

About 8,000,000 gallons of water are pumped and hoisted each day on the collieries of the Girard Estate, which is equal to over seven tons of water to one ton of coal mined.

The steam plants needed for mining purposes equal nearly 15,000 horse-power, but even this is insufficient in time of heavy rain or the melting of large snow falls.

This item in the cost of mining is held to a minimum by the prompt introduction of new power- and steam-saving appliances, but it will necessarily increase, as greater depths necessitate greater power.

The proportion of small coal shipped continues gratifyingly large, 464,931 tons of the 1,515,213 tons upon which royalties were paid the Estate, being coal recovered by the washery machinery from the culm banks deposited in previous years as waste.

In addition to the increased income from this source, there will soon be material receipts from coal recovered by "stripping" operations at the several collieries.

Much coal has heretofore remained in the ground because inconvenient formation of strata made it impracticable to mine it from the underground workings, but as the continued and large increases incident to deeper mining operations increase the cost of production, our lessees find it profitable to uncover this coal heretofore abandoned by them.

A like condition exists in the matter of mining the thinner and hence less desirable seams of coal, and the natural law that increased cost compels greater economy of production is enforcing itself in the mining of anthracite coal.

The percentage of the different sizes of coal shipped compared with previous years, is as follows:

Year.	Large. Per cent.	Chestnut. Per cent.	Pea. Per cent.	Buckwheat. Per cent.	Rice. Per cent.	Barley. Per cent.	Culm. Per cent.	Per Cent.
1863 .	90.00	10.00	. . .	. . .	. . .	. . .	. . .	100
1867 .	87.49	12.17	.34	. . .	. . .	. . .	. . .	100
1878 .	77.22	12.52	10.19	.07	. . .	. . .	. . .	100
1895 .	50.64	20.31	11.51	16.54	1.00	. . .	. . .	100
1902 .	30.67	19.09	15.47	23.49	10.25	.82	.21	100
1903 .	33.00	17.40	13.87	21.61	12.56	1.47	.01	100

In addition to the new breakers at Hammond and Kehley Run Collieries already mentioned, the erection of a new breaker at Packer No. 1 Colliery is under consideration. The Raven Run Coal Company washery is being remodeled and enlarged.

In all these improvements, the introduction of iron and concrete in place of wood reduces the danger of fire, and it is a great satisfaction to report an absence of all fires, either on the surface or in the mine workings, in any of the collieries on the Girard Estate during the past year.

The underground workings of slopes, shafts, tunnels, and gangways, have received proper attention. The former have been deepened and enlarged as mining operations progressed and 629 yards of length of tunnel and 5.92 miles of gangway were driven.

No work was done in the forest tree plantation beyond the protection from injury by forest fires of trees previously planted.

During April and May fires destroyed timber approximating \$5,000 in value.

All the farms are rented except Farm No. 6, where the barn destroyed by fire has not yet been rebuilt. The seven farms cover 723 acres, of which 397 acres are cleared and under cultivation.

The income from these farms, from surface rights leased, and from the sale of sand, stone, &c., amounted to \$12,650.22.

The pipe lines for the distribution of the water supplied by the Girard Water Company are laid and maintained by the Girard Estate. During the past year 2,486 feet of pipe were laid, making a total length of 54,661 feet or  $10\frac{1}{3}$  miles now in use.

In 1903 the Estate received a rental of \$15,000 for the use of these pipe lines.

The maintenance of the public roads in the townships in which the Girard lands are located has been continued by the land-owners, thereby securing better highways at less cost than when under the care of the township authorities.

There has been no material change in the assessment for taxes of the Girard lands, or in the tax rates of the several taxing districts in which these lands are located.

The total levy in 1903 was \$43,594.04, as against \$42,190.34, in 1902.

The report of the GIRARD WATER COMPANY (*Appendix C*) names the good condition of the several reservoirs and other property of the Company, and reflects the increased activities in mining by showing a larger con-

sumption of water and consequent larger receipts than in any previous year.

The total consumption was ..... 371,724,123 gallons.

There were used at 14  
collieries and washeries... 263,029,823 galls. or 71 per cent.  
by 3 railroads ..... 14,235,236 " " 4 " "  
and for domestic purposes  
by 8 lessees..... 94,459,064 " " 25 " "

Total..... 371,724,123 " " 100 " "

an increase of..... 31,253,255 gallons over the year  
1902.

The smallest consumption was in Octo-

ber ..... 26,194,424 gallons

the largest consumption was in May ... 36,084,244 "

In 1884, the first year of the Company's

existence, the consumption was..... 92,848,023 "

The total quantity of water supplied to

its customers in 20 years was ..... 3,871,520,317 "

Two additional water leases were executed, making the total at the close of the year 24.

The weather records kept at the reservoirs of the Company show a total precipitation for the twelve months ending December 31st, 1903, of..... 57.16 inches

Average for 16 years preceding..... 54.50 "

An excess of..... 2.66 "

The greatest precipitation was in June..... 7.95 "

and the least " " " " November.... 1.87 "

There was rain or snow fall on..... 134 days

the greatest being in June..... 16 "

Water is furnished to the small consumers at the rate of 10 cents per 1,000 gallons, and to the collieries and other large consumers at a minimum charge of \$50 per month for 1,000,000 gallons or less, and at 10 cents per 1,000 gallons for all used in excess of 1,000,000 gallons.

The average receipts during 1903

were.....	8.60 cents per 1,000 gallons
and for 1902.....	8.72      "      "      "

The total receipts of the Company were:

for Water-rents.....	\$32,122 60	
" Ice-cutting Privileges.....	186 73	
Miscellaneous.....	221 44	
		<u>\$32,530 77</u>

An increase of..... \$4,252 16

The total expenditures were:

Rent of Pipe-lines.....	\$15,000 00	
Repairs to houses and stables.....	252 72	
" " reservoirs.....	828 39	
General improvements.....	4,021 44	
Stationery and miscellaneous ex- penses.....	304 78	
Taxes.....	1,100 00	
Salaries.....	960 00	
Dividends.....	9,975 00	
Forestry.....	218 27	
		<u>32,660 60</u>

An increase of..... \$1,492 62

Excess of expenditures.....	<u>\$129 83</u>
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The item of expenditures for general improvements includes the extension of the wall enclosing the watershed west of the Ringtown Road for 9,040 feet, making the length now in place  $3\frac{1}{2}$  miles.



The wall is built of rough stone, 5 feet high, 2 feet 6 inches thick at the bottom, and 1 foot 6 inches on the top, with a height of 4 feet, upon which are placed capstones 1 foot deep and high and laid on a slant.

The proposed further extension of 2 miles east of the Ringtown Road will enclose the whole watershed and will afford protection against the deposit of refuse, dead animals, &c., and other causes of pollution of the water, and also against the entrance of fires into the tree plantations.

It is proper again to report that all the profits of the Water Company inure to the benefit of the Girard Estate, which owns all the stock, except three shares, which latter issue was required by law to effect a company organization, and to add that such a Corporation was necessary to prevent a diversion of this water supply to the profit of a private company, and to the detriment of the tenants of the Girard Estate.

The report of the SUPERINTENDENT OF MINOR TRUSTS (*Appendix F*) contains in condensed form the statements of the financial and statistical accounts of 35 Trusts, classified as follows:

Hospitals.....	3
House of Correction and Almshouse.....	3
Schools.....	4
Medals.....	3
Loans to artificers.....	2
Fuel and food.....	15
Miscellaneous.....	5
	<u>35</u>

The Capital accounts, the current receipts and expenditures, and the receipts from legacies, donations, &c., summarize as follows:

Total invested capital of all the Minor Trusts, \$1,315,800 53



The current income was.....	\$47,714 80
There has been received from the State of Pennsylvania on account of appropriation for maintenance of the Wills Hospital.....	\$1,470 31
The receipts from legacies, donations, &c., were.....	\$7,545 20
The donations were from	
Midvale Steel Works.....	\$250 00
Philadelphia Rapid Transit Company....	200 00
Sundry Donors.....	433 20
Cash receipts on Donation Day, April 2d, 1903, the 71st Anniversary of the founding of Wills Hospital.....	1,052 00
and the legacies from the	
Estate of George W. Farr, Jr.....	\$5,060 00
“ “ George S. Pepper, additional....	550 00

All these were to the funds of the Wills Hospital. The legacies were added to the permanent fund and the other amounts are included in the current receipts.

The State of Pennsylvania made an appropriation of \$20,000 to the maintenance account and of \$10,000 to aid in the completion of the contagious ward in process of erection. The former sum is available in equal parts during the years ending May 31, 1904 and 1905.

The principal expenditures were:

Wills Hospital.....	\$22,166 30
Mary Shields Almshouse Fund.....	5,793 98
Fuel Funds.....	9,392 48
Food—Bread and Soup.....	867 00
Books, medals, school purposes, &c., including annual payment to the Southwark Library from the Grover Estate ...	1,744 81
Simon Muhr Scholarships.....	2,341 90

The total cost of the administration of all the Minor Trusts was \$3157.28.

The MARY SHIELDS ALMSHOUSE FUND, established "to make more comfortable the sick and insane poor at the Almshouse," continues its good work.

In addition to the usual expenditures, indicated in the report, of the Visiting Physician, for additions to the diet of the sick, concerts and coach rides for the convalescing, work for those physically well but mentally unsound, modern hospital appliances for the bedfast, with reading matter for the studious, and instruments for those with musical tastes, the sum of \$1500 was appropriated toward the erection of an elevator to reach the roof gardens constructed on the main hospital building by the Department of Charities of the city of Philadelphia.

This admirable improvement is completed, but the bills for the amount to be paid from this Fund have not yet been presented.

The other expenditures were for:

Coach rides and trolley excursions.....	}	\$919 75
Concerts, entertainments, &c.....		
Hospital furniture, pictures, &c.....		200 10
Books, games, musical instruments, &c.....		268 32
Provisions and delicacies.....		1,467 64
Material for employment (mattress making).....		2,238.17
		<u>\$5,093 98</u>

The men, insane patients, employed in the upholstery shop have manufactured 753 new mattresses and 834 new pillows. 783 mattresses and 284 pillows were re-upholstered by them. The material for the work was supplied from this fund.

The income from the STEPHEN GIRARD SCHOOL FUND purchased 420 books for the six grammar schools in the (old) city of Philadelphia. No books were purchased from the JULIANA H. GOOD FUND for the House of Correction, but the usual payment of \$300 was made to the Southwark Library Company from the GROVER FUND.

Under the SIMON MUHR FUND the six scholarships continue; 3 at the University of Pennsylvania, 1 at Cornell University, and 2 at Wellesley College.

All holding scholarships under this Trust do credit to their benefactor.

From the income of the HANNAH M. DODD MEDAL FUND, one gold and one silver medal were awarded each in the Classical and in the Commercial Course of the Girls' High School.

No loans were applied for "by young married artificers, &c.," under the JOHN SCOTT or the DR. BENJAMIN FRANKLIN FUNDS.

The latter fund now amounts to \$149,999.94, of which sum \$114,503.77 awaits the erection of the proposed art gallery in Fairmount Park.

The Board of Directors of City Trusts is ready to apply this latter sum for the purpose indicated whenever the proper authorities are prepared to begin the long delayed work.

Upon the recommendation of the Franklin Institute, sixteen medals and premiums were awarded from the income of the JOHN SCOTT MEDAL FUND to "ingenious men" for "useful inventions."

In addition to the medals, certificates setting forth the facts of the award are issued to the successful inventors. These have been of great service in the introduction of the appliances found of sufficient importance to be rewarded with a medal.

From the income of eleven FUEL FUNDS, 1311 tons of coal were distributed under the personal direction of the members of the Board.

Of the coal, 1005 tons were paid for from the income of the Thomas D. Grover Fund. The conditions of this Trust limit the distribution "among white widows of respectable character, who are housekeepers or roomkeepers, born within the limits of the United States of America, whose husbands shall have died within the present defined boundaries of the district of Southwark."

The other coal purchased was distributed as follows:

1	trust in the former district of Spring Garden...	8	tons.
1	" " " " " " " the Northern Lib-		
	erties.....	17	"
4	" " " old city of Philadelphia.....	165½	"
4	" " " present city of Philadelphia.....	115½	"
	Total.....	306	"

The decreased distribution comes as a reminder of the high price of coal incident to the strike of the coal miners in 1902. During the current winter the usual quantities can be purchased with the practically definite income.

In 1901-1902 there were distributed 1712 tons at a cost of \$9167, and in 1902-1903, 1311 tons at a cost of \$9392.48.

The income from the SOUP TRUSTS, \$867, was expended through the various soup societies.

The reports from the BOUDINOT LANDS are very gratifying.

The fire roads, heretofore made and maintained at considerable expense, have accomplished their purpose, no forest fires having occurred during the past year.

Some marketable timber has been sold and the proceeds, \$959.45, added to the Capital Fund of the Estate.

The current receipts have been expended for fuel which was distributed as directed in Mr. Boudinot's will.

Bushrod W. James, M. D., by will proved January 13th, 1903, bequeathed to the city of Philadelphia an estate of an estimated value of \$120,000 for the establishment and maintenance of the Bushrod Washington James Eye and Ear Institute, the Bushrod Library, and for the care of such memorial tablet or monument as may be erected by the Executors of his Estate.

The Executors have not yet filed their account, but it is expected that early in the current year distribution of the Estate will be made. The purposes and plans of the testator will then have careful attention.

The affairs of the WILLS HOSPITAL and its buildings are in a more satisfactory condition.

The summary of the receipts and expenditures printed on pages 218, 219 shows a better financial state than for many years past.

The effort of the Medical Staff and of the Executive Officers resulted in increased donations to the general fund, whilst the anonymous contribution of \$3000 reported last year permitted a continuance of the work of renovation of buildings then begun.

The gratifying appropriation by the Commonwealth of \$20,000 for maintenance and \$10,000 for completion of buildings secures an enlargement of the work to the full capacity of the finished buildings.

Work on the new wards will be helped, but not completed, with the sum available for this purpose.

Mr. and Mrs. Walter D. Griscom, having satisfactorily filled the positions of Superintendent and Matron on trial, were permanently appointed to these places on February 11th, 1903.



The following changes in the SURGICAL STAFF OF THE WILLS HOSPITAL occurred during the year 1903:

*Death:* Dr. Thomas G. Morton, Consulting Surgeon.

*Resignation:* Dr. W. L. Zuill, Assistant Surgeon.

*Expiration of Term:* Dr. Homer J. Rhode, Dr. Arthur J. Bedell, Resident Surgeon.

*Appointments:* Dr. George Robinson, Jr., Assistant Surgeon; Dr. John R. Taylor, Resident Surgeon; Dr. Robert I. Bullard, Resident Surgeon.

*Re-appointments:* Dr. McCluney Radcliffe, Executive Medical Officer; Dr. Harold G. Goldberg, Curator and Pathologist.

The report of the MEDICAL STAFF OF THE WILLS HOSPITAL (*Appendix G*) gives detailed and interesting statistics of the work of the year, as will be seen from the following abstracts:

Number of patients treated:

	1902.	1903.	Increase.	Decrease.
House patients.....	392	619	227	...
Clinic patients.....	<u>14,406</u>	<u>14,249</u>	<u>...</u>	<u>157</u>

Number of new patients:

House patients.....	604
Clinic patients.....	<u>14,249</u>
Total.....	<u>14,853</u>

Number of visits of patients to clinics..... 54,780

#### SUMMARY OF OPERATIONS.

Cataract (primary and secondary).....	237
Operations on the Iris.....	78
“ “ “ Cornea.....	3,886
“ “ “ Conjunctiva and Sclera.....	113
Enucleation of Eye-Ball.....	113
Operation on the Lachrymal Apparatus.....	474
“ “ “ Lids and Eye-brows.....	369
“ “ “ Muscles.....	69
“ “ “ Orbit and Sinuses.....	15
Foreign Body Vitreous.....	<u>7</u>
Total number of operations.....	<u>5,361</u>



The increase in the number treated as house patients is the result of the increased receipts for maintenance, which permitted the reopening of the wards which had been necessarily closed for want of funds.

Admitted as House patients, resident in Philadelphia.....	262
Resident elsewhere.....	342
Total.....	<u>604</u>

The House patients are classified as follows:

	Males.	Females.	Total.
Number on January 1st, 1903.....	9	6	15
Admitted 1903.....	<u>439</u>	<u>165</u>	<u>604</u>
	448	171	619
Discharged 1903.....	<u>411</u>	<u>161</u>	<u>572</u>
Remaining December 31st, 1903.....	<u>37</u>	<u>10</u>	<u>47</u>

The discharges were as follows:

Cured.....	364
Improved.....	167
Unimproved.....	18
Died.....	5
Left without discharge.....	<u>18</u>
	<u>572</u>

The total number of patients treated at Clinics is classified as follows:

From 48 of the 67 counties of the State.....	13,363
From 14 other States.....	<u>886</u>
Total.....	<u>14,249</u>

Of those admitted as House patients, there came from

40 counties of the State.....	529
From 8 other States.....	<u>75</u>
Total.....	<u>604</u>

Total number of patients treated since the opening of the Hospital in 1834:

House patients.....	24,446
Clinic patients.....	305,139
	<u>329,585</u>

The residences of patients are as follows:

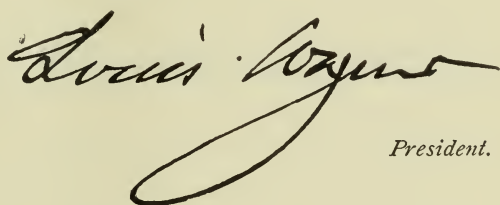
Pennsylvania.				Pennsylvania.			
	House Patients.	Clinic Patients.	Total.		House Patients.	Clinic Patients.	Total.
Adams County,	1	—	1	Lawrence County,	—	3	3
Allegh'y	2	5	7	Lebanon	1	7	8
Beaver	1	3	4	Lehigh	12	27	39
Bedford	1	4	5	Luzerne	28	52	80
Berks	10	48	58	Lycoming	4	5	9
Blair	15	35	50	McKean	—	1	1
Bradford	3	8	11	Mifflin	9	6	15
Bucks	4	114	118	Monroe	2	—	2
Butler	—	1	1	Montgom'ry	25	455	480
Cambria	1	2	3	N'thampton	10	32	42
Cameron	—	1	1	N'thumb'l'd	5	15	20
Carbon	6	20	26	Perry	4	—	4
Centre	8	2	10	Philadelphia	262	11,799	12,061
Chester	7	107	114	Schuylkill	35	103	138
Clarion	1	1	2	Snyder	1	1	2
Clearfield	4	13	17	Somerset	—	4	4
Clinton	4	4	8	Sullivan	—	2	2
Columbia	2	8	10	Tioga	2	—	2
Cumberland	1	8	9	Union	—	1	1
Dauphin	13	28	41	Warren	—	1	1
Delaware	12	374	386	Wayne	—	1	1
Elk	1	3	4	Westmorel'd	3	—	3
Franklin	1	3	4	Wyoming	—	2	2
Greene	—	1	1	York	1	2	3
Huntingdon	—	6	6				
Jefferson	—	1	1	Total from Penna.	529	13,363	13,892
Juniata	2	2	4	Other States, &c.,	75	886	961
Lackawanna	15	15	30				
Lancaster	10	27	37	Total . . . .	604	14,249	14,853

The thanks of the Board are again tendered to the friends who have come so liberally to the help of the Wills Hospital, and especially to the Governor and to the late General Assembly of the Commonwealth, for the appropriation of State funds.

As stated so frequently in previous reports, the work of the Hospital is not limited to the city of Philadelphia and its immediate vicinity, but it extends to all parts of the State.

Asking a careful consideration for the reports of the several executive officers in actual charge of the many and important trusts under our management, and of which the foregoing is a summary, I am

On behalf of the Board of Directors of City Trusts,

A large, elegant handwritten signature in dark ink, reading "Louis Rogers". The signature is written in a cursive style with a long, sweeping underline that loops back under the name.

*President.*



# APPENDIX A.

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## REPORT OF THE SUPERINTENDENT

OF THE

## GIRARD ESTATE

FOR THE YEAR ENDED DECEMBER 31, 1903

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## OFFICERS OF THE GIRARD ESTATE.

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### GENERAL.

SUPERINTENDENT . . . . . GEORGE E. KIRKPATRICK.  
SOLICITOR . . . . . FRANCIS E. BREWSTER.  
ASSISTANT SOLICITOR . . . . . I. HAZLETON MIRKIL.  
ARCHITECT . . . . . JAMES H. WINDRIM.

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### REAL ESTATE IN SCHUYLKILL AND COLUMBIA COUNTIES.

ENGINEER . . . . . HEBER S. THOMPSON, Pottsville.  
SOLICITOR . . . . . SAMUEL H. KAERCHER, Pottsville.  
ASSISTANT SUPERINTENDENT . . . . EMIL C. WAGNER, Girardville.  
MINE INSPECTOR . . . . . HENRY J. WELLER, Girardville.

## GIRARD ESTATE.

### SUPERINTENDENT'S REPORT FOR 1903.

*To the Board of Directors of City Trusts.*

GENTLEMEN:—The cash income of the Girard Estate collected during the year 1903 is greater—both gross and net—than that collected in any previous year since 1897—exceeding that of the year 1902 by \$332,427.09, gross, and \$267,513.48, net. The following tabulated comparison of the figures of 1902 and 1903 shows these results in detail:

GROSS RECEIPTS.	1902.	1903.	INCREASE.	DECREASE.
Real estate, outside of the city .	\$192,853 97	\$462,377 21	\$269,523 24	
Real estate, within the city . . . .	658,072 98	728,808 01	70,735 03	
Stocks and loans—Residuary Fund,	204,597 33	197,089 62		\$7,507 71
Stocks and loans—Delaware Avenue Fund . . .	24,952 12	24,628 65		323 47
Total . . .	\$1,080,476 40	\$1,412,903 49	\$340,258 27	\$7,831 18
Net increase . .	332,427 09			332,427 09
	<u>\$1,412,903 49</u>	<u>\$1,412,903 49</u>	<u>\$340,258 27</u>	<u>\$340,258 27</u>

NET RECEIPTS.	1902.	1903.	INCREASE.	DECREASE.
Real estate, outside of the city .	\$128,996 75	\$393,933 75	\$264,937 00	
Real estate, within the city . . . .	368,158 03	386,398 78	18,240 75	
Stocks and loans—Residuary Fund,	204,219 68	196,551 52		\$7,668 16
Stocks and loans—Delaware Avenue Fund . . .	23,649 40	23,270 50		378 90
	<u>\$725,023 86</u>	<u>\$1,000,154 55</u>	<u>\$283,177 75</u>	<u>\$8,047 06</u>
General expenses, Residuary . . .	35,007 15	42,624 36	7,617 21	
Total . .	\$690,016 71	\$957,530 19	\$275,560 54	\$8,047 06
Net increase . .	267,513 48			267,513 48
	<u>\$957,530 19</u>	<u>\$957,530 19</u>	<u>\$275,560 54</u>	<u>\$275,560 54</u>



A further analysis of the figures by which the net receipts of the two years under consideration are compared, shows this increase of \$267,513.48 in net receipts to be made up as follows:

Increase of gross receipts from real estate without the city . . . . .	\$269,523 24	
Increase of gross receipts from real estate within the city . . . . .	70,735 03	
		\$340,258 27
Less :		
Decrease in gross receipts from stocks and loans, Residuary Fund . . . . .	\$7,507 71	
Decrease in gross receipts from stocks and loans, Delaware Avenue Fund . . . . .	323 47	
Increase in expenses for real estate out of city . . . . .	4,586 24	
Increase in expenses for real estate in the city . . . . .	52,494 28	
Increase in expenses for stocks and loans, Residuary Fund . . . . .	160 45	
Increase in expenses for stocks and loans, Delaware Avenue Fund . . . . .	55 43	
Increase in general office expenses . . . . .	7,617 21	
		72,744 79
Increase of total net receipts . . . . .		<u>\$267,513 48</u>

The increased gross income from Real Estate without the City—\$269,523.24—is caused not so much by the large income of 1903 as by the small income of 1902, the latter year showing so meagre a result, because of the strike of the anthracite miners. When compared with the receipts of years prior to 1902, the receipts of 1903 are found, however, to be greater than those of any year since 1899, in which the last of the old colliery leases expired. Upon comparing the tonnage of coal mined and shipped to market, the year 1903 shows a large excess over recent years, being exceeded only by the shipments of 1879, 1883, and 1893, and being less than those of 1879, the year in which the collieries of the Girard Estate produced more coal than in any year before or since, by but 107,534 tons, or  $6\frac{2}{3}$  per cent. of the shipments of that year. The collections in 1903 of

rental of surface lots and from the sale of sand and stone, are also largely in excess of those of 1902—more than double. This is caused partly by the scarcity of money in this section during the strike of 1902, but to a very considerable extent is the result of more strict and businesslike methods adopted in dealing with the lessees of these lots, many of whom are foreigners, ignorant of any law but that of force, and practically all of whom consider the payment of rent to be an exaction wrong in principle and one which they are justified in avoiding by any possible means.

Under the terms of the mining agreements now in force, the lessees are required to make monthly payments, based upon their shipments of coal, for the refunding to the Girard Estate of the sums advanced toward the erection of the early colliery improvements. During the year 1903 the sum of \$16,364.18 was thus returned—reducing the amount outstanding to \$52,356.19. As the sums so advanced were given to the lessees by reducing the amount of the royalty which otherwise would have been payable by them to the Girard Estate, the money now being collected from this source is considered royalty on coal mined and is so reported in the financial statements.

The increase in expenditures on account of Real Estate without the City, is caused principally by the laying of additional pipe lines for the better supplying with water of William Penn Village, Schuylkill No. 1 Washery, and Preston No. 2 Colliery, and by increased taxes and salaries of officials.

The improved condition of the real estate market—noted in my report to you of one year ago—has continued during the year 1903, resulting in the bringing under rental of a proportion of the property of the Girard Estate greater than in many years. This is mainly noticeable in the Mariner and Merchant Building—where, of course, facility for accommodating additional tenants was exceptional; but it is also found in other property in the vicinity of Third and Chestnut Streets, and at Front and Market Streets, and even in the most discouraging portion of the Estate, that at Fifth

and Brown Streets. The rental of 1903 is also increased by the purchase in the early part of the year of the property northeast corner Fifth and Chestnuts Streets, from which, during the eleven months it has been in the possession of the Girard Estate, a gross rental of \$16,144.47 has been collected. As a partial offset to these increased returns, we have diminished rentals from the office building 433-437 Chestnut Street, caused by the removal from the building of the principal lessee—and decreased collections from the block at Eleventh and Chestnut Streets, caused not by a reduction of current rental earning but because the collections of 1902, owing to a change in the terms of the leases of the stores in Chestnut Street, included more than the rental of one year. This change, by which monthly payments in advance, were required, where previously quarterly payments at the end of the quarter had been called for, resulted, in a number of cases, in the collection during the year 1902 of as much as fourteen months' rental. In 1903, that collected from this block—1101-1131 Chestnut Street—was exactly one year's rental.

Under the caption, Miscellaneous Receipts City, are included the sums collected for heat, light, and power furnished from the steam plant of the Girard Estate at Third and Chestnut Streets and that connected with the Stephen Girard Building, also such items as commission on telegraph, telephone, ice, and towel privileges in the several office buildings of the Estate. The principal item causing the large increase in gross revenue shown from this source, is the charge for heat, light, and power furnished from the Third Street Power House to the Mariner and Merchant Building. In 1902, as explained in the report for that year, the Third Street Power House had to be treated as a part of the Mariner and Merchant Building and no such charge was made. For 1903, we are able to treat the two buildings separately, and the change, though merely a matter of bookkeeping, has the effect of increasing both the receipts and the expenditures; the receipts as an item of income from the Third Street Power Plant and the expenses as an item of cost in the maintenance of the Mariner and Merchant Building.

The cash expenditures in 1903 on account of Real Estate within the City, are greater than those of 1902, in a general way by reason of the increasing business of the Estate, the maintenance under rental of an increased proportion of its property, the increased cost of materials and labor and the cost of maintenance of the newly acquired property at Fifth and Chestnut Streets; but specially by an excessive expenditure for taxes—due to an abnormal and unjust increase in assessments—by the purchase of a reserve stock of 1473 tons of coal, by an extraordinary expenditure for fire insurance premiums, by the change in the method of accounting whereby the Mariner and Merchant Building is charged for the heat, light and power furnished from the Third Street Power Plant, and by the fact that in 1902 the expenditures for fuel were much less than normal, because of the consumption during that year of a stock of 3500 tons of coal purchased in the previous year. In a comparison of the expenses of the two years, it must also be borne in mind that among the expenses of 1902 is an extraordinary item, the general renovation of the building 1100-1114 Market Street.

In the Mariner and Merchant Building, the portion under lease increased steadily until June, when  $93\frac{7}{10}$  per cent. of the building was earning rental—in amount \$73,004 per annum. Since that time the proportion rented has been slightly less than this, closing in December at  $92\frac{3}{10}$  per cent. or \$72,420 per annum.

The net income from this building during the year was.....\$26,256 86

Deducting from this certain extraordinary expen-

ditures for perpetual fire insurance premiums,

for portable safes bought for leasing to tenants,

and for similar purposes..... 3,247 52

Leaves the total net receipts from this source...\$23,009 34

In the above statement, there has been included the sum paid by certain tenants for electricity furnished and for

office cleaning which they undertake at their own cost, the latter being based upon the cost to the Girard Estate of cleaning other portions of the building. If it were not for the special arrangement in this lease, these expenses would have been borne by the Girard Estate and the rental would have been correspondingly higher. These costs are included in the above statement for the reason that it has been prepared with a view of comparison with those of other similar buildings and they must be so included in order that such comparison may be intelligently made. Being added to both sides of the account, the net income stated is not affected.

From the Third Street Power House, a net income of \$12,219.71 was collected—its gross income being derived:

From electric current furnished for use in the Mariner and Merchant Building, the Girard Bank Building, and the buildings 433-441 Chestnut Street, 132-136 South Third Street, and 125 Hudson Street, and that furnished to a number of tenants of the Girard Estate in the vicinity of Front and Market Streets, also that used in the street lighting on Delaware Avenue and Front Street;

From hydraulic elevator power supplied for use in the Mariner and Merchant Building and the Girard Bank Building;

From steam used in heating the Mariner and Merchant Building, the Girard Bank Building, and the buildings 132-136 South Third Street and 125 Hudson Street.

To meet the demand for offices, growing out of the location of the Philadelphia Stock Exchange at Third and Walnut Streets, the accommodations in the buildings 132-136 South Third Street have been modernized, electric light having been introduced, improved toilet room facilities provided and a general renovation in the lower floors undertaken. This comparatively small enterprise has met with success, the property now yielding a rental greater than that obtained for many years past.

In the vicinity of Front and Market Streets, the property of the Girard Estate is more nearly fully rented than in many



years—being at this date 97 per cent. under lease, and yielding a gross annual rental of \$62,357.92.

In the Stephen Girard Building, the vacancies caused by the changes in tenancy on January 1st, 1903, were not filled so quickly as in 1902, but were filled with sufficient rapidity to make the average space under rental during the entire year 99.5 per cent. of the whole.

From this building there has been derived during the year a net year a net income

from ordinary collections .....	\$46,432 25
and from items not ordinary .....	649 31

The total net receipts being ..... \$47,081 56

The widening and repaving with asphalt of the cartway of Girard Street, from Eleventh to Twelfth Streets—began in 1902—was completed in the Spring of 1903, and has shown itself to be a most desirable improvement, greatly increasing the facility in the receiving and delivery of goods for the building (1100-1142) Market Street and decreasing the noise from passing vehicles, in this respect the advantage inuring principally to the benefit of the Stephen Girard Building.

On January 15, 1903, the premises northeast corner Fifth and Chestnut Streets with a frontage of 52 feet 1½ inches on Chestnut Street and of 96 feet, 8½ inches on Fifth Street, were purchased for the Girard Estate at a cost of \$220,000, subject to the approval of the Court. On March 7th, 1903, the Court approved and confirmed the transaction.

The purpose of the Girard Estate in acquiring this property is evident when it is considered that this purchase completes its ownership of a rectangular plot of ground with a frontage of 105 feet, 8½ inches on Chestnut Street and of 173 feet on Fifth Street—running through to Ranstead Street, on which it has a frontage of 105 feet, 8½ inches. The building upon the lot thus purchased—known as the Frederick Brown Building—is a four story structure, formerly two separate buildings, No. 439 and No. 441 Chestnut Street, which some years ago were thrown into one and fitted for use as offices.



Since it has come into the possession of the Girard Estate, arrangements have been made under which it is managed in connection with the adjoining office building 433-437 Chestnut Street, at a considerable saving of expense.

The work of preparing the property of the Girard Estate in the southern part of the City for the erection of dwelling houses and stores, has been continued. Curbing has been laid along the south side of Passyunk Avenue from Twenty-first to Twenty-third Streets and on Twenty-first Street (both sides) from Passyunk Avenue to Johnston Street and on the west side from Johnston to Bigler Street; on Shunk Street from Twenty-first to Twenty-second; on Roseberry Street from Seventeenth to Eighteenth; and on Nineteenth Street from Porter north to the boundary line of the Girard Estate. The grading of the cartways and sidewalks of Passyunk Avenue from Twenty-first to Twenty-third Street and of Twenty-first Street from Passyunk Avenue to Oregon Avenue has also been completed.

A double row of trees has been planted along the sidewalks on both sides of Twenty-first Street from Passyunk Avenue to Oregon Avenue—the front row, that close to the curb, being Oriental planes and elms—and the rear row being maples and pin oaks.

Along the south side of Passyunk Avenue between Twenty-first and Twenty-third Streets, a single row of Oriental planes and elms has been planted.

The cartway of Eighteenth Street between Porter and Shunk Streets has been paved with sheet asphaltum on a concrete base.

Ordinances have been approved and the preliminary proceedings are now under way for the opening of Second, Third, Porter, and Shunk Streets, through the tract of land in that vicinity.

Plans for the erection of a row of houses fronting on Porter Street between Seventeenth and Eighteenth Streets are now in process of preparation and it is hoped that the buildings may be completed and occupied before the close of the year 1904.

At Girard Park, the southeast corner, the grade of which had been made to conform with the sidewalk levels of Twenty-first Street and of Shunk Street, when it was expected that Twenty-first Street would cross, overhead, the tracks of the Baltimore and Ohio Railroad (Oregon Avenue), has been cut down to conform with the present plan of crossing those tracks on grade. Of this work, the re-sodding of the grass plots and their curbing with concrete, were still incomplete when the advent of frost rendered further effort in that direction inadvisable until after the Winter season.

Very little has been accomplished during the year in the raising of the grade of the property at the mouth of the Schuylkill River—the Pennsylvania Railroad Company, from the dredging of whose docks, the material for this grading has been derived, having found use for this material upon property of its own. It is hoped, however, that during 1904, the Girard Estate may again receive a quantity of the desired material.

To store a reserve supply of coal for use in the operation of the several steam plants of the Girard Estate, the space within two of the brick arches supporting the tracks of the Pennsylvania Railroad, between Filbert and Cuthbert Streets west of Twentieth, has been leased and a stock of 1437 tons of buckwheat coal bought and stored therein. This reserve, though not nearly enough to thoroughly insure the continued operation of the plants in the event of another strike like that of 1902, is enough to keep them all (not including Girard College) running for over six weeks and to that extent is a most valuable protection.

For the protection of the fuel supply of Girard College, a reserve of 500 tons of buckwheat coal has been purchased and placed in the yard of a local dealer under a contract for storage and delivery as required by the officers of the College.

The decrease of \$7,507.71 in the income of the Stocks and Loans belonging to the Residuary Fund, is caused by a sale of bonds for the purpose of obtaining funds wherewith to make the purchase of the property northeast corner Fifth and Chestnut Streets, hereinbefore referred to. Before the

close of the year, however, the purchase of new investments, with funds derived from Real Estate in Schuylkill and Columbia Counties, was sufficient in amount to replace not only the securities sold for this purpose, but also certain other investments, part of the original estate, which are now worthless and during the year were directed by you to be charged off as such. These facts are perhaps more readily shown by a tabulated statement, thus:

The total of the stocks and bonds held by the Residuary

Fund on January 1st, 1903, was . . . . . \$5,006,354 99

Of these there were sold for the purpose  
of reinvestment :—

Philadelphia City Loan . \$134,275 00

Pittsburgh City Loan . . 40,100 00

\$174,375 00

And were matured and re-  
paid by borrowers :—

Allegheny County Loan, \$1,000 00

Mortgage Loans . . . 170,900 00

171,900 00

And were charged off as  
worthless :—

Stock Chesapeake &

Delaware Canal Co. . \$33,150 00

Bond Ridge Turnpike

Company . . . . . 10,000 00

Stock Susquehanna &

Lehigh Turnpike Co. . 100 00

43,250 00

389,525 00

\$4,616,829 99

The investments and reinvestments were in bonds and  
mortgages and amounted to . . . . .

396,350 00

And the total held on December 31st, 1903 . . . . .

\$5,013,179 99

Or \$6,825 more than on January 1st, 1903.

The increased expense in the General Office of the Estate is due to the continuing growth of the business transacted, making greater expenditures necessary, and in the cost of arranging and indexing the papers of Mr. Girard. This work, which was begun early in 1902, continues to make satisfactory progress, and is constantly becoming more interest-

ing. The papers as found in the boxes in which they have been kept since the death of Mr. Girard are being cleansed, repaired, pressed, assorted, and translated, many being in French. The briefing and indexing will follow as soon as the assorting is completed. At this date the progress made is as follows:

Assorting and listing to the year 1817, approximately 18,000 letters.

Cleaning, repairing and pressing to 1811.

Translating to 1795, approximately 900,000 words, equal to about 2600 pages octavo of printed matter.

Very few letters have been found bearing dates prior to the year 1776, in which Mr. Girard arrived in Philadelphia. These relate almost exclusively to family matters and indicate the most ardent affection for home and family interests. Curiously enough, in view of subsequent events, they also show a marked lack of success in business enterprises. From 1785 on, the letters contain little that is personal. They now show the industry, the cool determination, the shrewdness and breadth of outlook, to which may be attributed his ultimate pre-eminence in the business world.

The total expenditure during 1903 for the maintenance of Girard College was \$484,247.11, and the average number of pupils in the Institution from December 1st, 1902, to November 30th, 1903, was 1519, the maintenance per capita being \$318.79. In detail this was:—

#### HOUSEHOLD.

Wages.....	\$49 24
Subsistence.....	74 62
Clothing.....	33 64
Dry Goods.....	4 70
Furniture.....	5 38
Repairs.....	13 93
Grounds.....	4 27

*Carried forward.....* \$185 78

<i>Brought forward</i> .....	\$185 78	
Lighting.....	3 67	
Fuel.....	21 62	
Water rent.....	59	
Laundry supplies.....	2 25	
Salaries.....	21 20	
Incidentals.....	7 58	
Cadets.....	2 29	
	<hr/>	\$244 98
INFIRMARY.		
Salaries.....	\$3 10	
Maintenance.....	6 56	
	<hr/>	9 66
INSTRUCTION.		
Salaries.....	\$43 58	
Books, stationery, etc.....	4 76	
Chemical laboratory.....	56	
School and chapel furniture.....	51	
School and philosophical apparatus.....	57	
Department of natural history...	02	
Library books and binding.....	36	
	<hr/>	50 36
MECHANICAL INSTRUCTION.		
Salaries.....	\$9 02	
Incidentals, supplies, etc.....	2 31	
	<hr/>	11 33
ADMISSION, DISCIPLINE, ETC.		
Salaries and expenses.....	\$1 95	
Rewards and premiums.....	51	
	<hr/>	2 46
		<hr/>
		\$318 79
		<hr/>

The FIRE INSURANCE FUND was called upon to pay no losses during the year 1903. Its total assets now amount to \$48,321.20, and its risks to \$1,017,350.



The FUND FOR THE IMPROVEMENT OF THE EASTERN FRONT OF THE CITY, at this date amounts to \$648,005.75, of which \$605,100 is invested and drawing income, the remainder being cash in bank. Deducting from this the original fund of \$500,000, the balance of \$148,005.75 remains available for the completion of the improvements on Delaware Avenue. Plans for this completion are now being prepared and it is expected that this work and simultaneously the laying of the three lines of railroad track, the location and character of which have been agreed upon, will be begun in the Spring of 1904 and completed as rapidly as the continuous and heavy traffic upon this highway will permit.

The usual work of cleaning and lighting and of street repairs on Delaware Avenue, Water and Penn Streets between Vine and South, has been continued during the year; the electric light, since shortly after the first of the year, having been supplied from the Third Street Power Plant of the Girard Estate.

Four wooden buildings have been torn down and removed at a cost of \$250, paid as required by the will of Mr. Girard, from the income of the Fund for the Improvement of the Eastern Front of the City.

Statements of investments, cash receipts, and cash payments, are appended hereto.

Respectfully submitted,

GEO. E. KIRKPATRICK,  
*Superintendent Girard Estate.*

PHILADELPHIA, December 31st, 1903.

# GIRARD ESTATE.

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## RESIDUARY FUND,

FOR THE MAINTENANCE AND EXTENSION OF GIRARD COLLEGE.

## REAL ESTATE, STOCKS, AND LOANS,

COMPOSING INVESTED CAPITAL.

DECEMBER 31ST, 1903.

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## REAL ESTATE.

Girard College ground, and buildings (approximate cost)	\$3,350,000 00
Banking houses, dwellings, stores, wharves, and farms in the city of Philadelphia; assessed valuation for 1903 . . . . .	7,716,900 00
Real estate in Schuylkill and Co- lumbia Counties, Pennsylvania, about 18,000 acres; assessed valuation for 1903 . . . . .	1,635,505 00
<i>Amount carried forward</i> . . . . .	\$12,702,405 00

*Amount brought forward . . . . .* \$12,702,405 00

### STOCKS AND LOANS.

	Par Value.
State of Penna. 4 per cent. loan,	\$66,350 00
State of Penna. 3½ " " "	17,000 00
Allegheny Co. 5 " " "	4,000 00
Allegheny Co. 4 " " "	24,000 00
Allegheny City 4 " " "	6,000 00
Schuylkill Co. 3 " " "	20,000 00
City of Phila. 4 " " "	598,000 00
City of Phila. 3½ " " "	466,400 00
City of Phila. 3 " " "	597,000 00
City of Pittsbgh. 5 " " "	25,000 00
City of Pittsbgh. 4 " " "	16,400 00
Girard Water Company stock .	199,700 00
Reading Co., and Philadelphia and Reading C. & I. Co.'s gen- eral mortgage 4 per cent. bonds,	6,000 00
Bonds and mortgs. on real estate,	2,787,329 99
Ground rents . . . . .	180,000 00
	<hr/> 5,013,179 99
Total invested capital of Residuary Fund . .	<hr/> <u>\$17,715,584 99</u>

**CASH RECEIPTS AND EXPENDITURES OF THE RESIDUARY  
FUND FROM JANUARY 1st, 1903, TO DECEMBER 31st, 1903,  
INCLUSIVE.**

**Receipts.**

**REAL ESTATE WITHOUT THE CITY OF PHILADELPHIA.**

Rents and royalties from collieries .	\$434,823 49	
Sale of timber . . . . .	130 75	
Rent of real estate, &c. . . . .	12,401 97	
Rent of water-pipe lines . . . . .	15,000 00	
Sale of surface right of lots. . . .	21 00	
	<hr/>	\$462,377 21

**REAL ESTATE IN THE CITY OF PHILADELPHIA.**

Rent of real estate . . . . .	\$675,143 30	
Miscellaneous receipts, city . . . .	53,664 71	
	<hr/>	\$728,808 01

**STOCKS AND LOANS.**

Interest Philadelphia City loan . .	\$61,253 25	
“ Pennsylvania State “ . .	3,249 00	
“ Allegheny City “ . .	240 00	
“ Pittsburgh City “ . .	2,693 50	
“ Allegheny County “ . .	1,200 00	
“ Schuylkill County “ . .	600 00	
“ Mortgage loans . . . . .	109,263 71	
“ Reading Company, and Philadelphia and Read- ing Coal and Iron Com- pany's bonds . . . . .	240 00	
“ on deposits in bank . . . .	990 16	
Ground rents . . . . .	7,400 00	
Dividend Girard Water Company stock . . . . .	9,960 00	
	<hr/>	197,089 62
<i>Amount carried forward.</i> . . . .		\$1,388,274 84

### RECEIPTS—RESIDUARY FUND.—Continued.

<i>Amount brought forward</i> . . . . .	\$1,388,274 84	
Premium on bonds sold . . . . .	7,877 12	
Sale of waste material, etc., Girard College . .	1,882 27	
Principal of investments collected :—		
Mortgage loans . . . . .	\$170,900 00	
Philadelphia City loan . . . . .	134,275 00	
Pittsburgh City loan . . . . .	40,100 00	
Allegheny County loan . . . . .	1,000 00	
		<u>346,275 00</u>
Total receipts, Residuary Fund . . . . .	\$1,744,309 23	

### EXPENDITURES—RESIDUARY FUND, ESTATE.

#### REAL ESTATE WITHOUT THE CITY OF PHILADELPHIA.

Taxes . . . . .	\$41,462 18	
Refunded by lessees, . . . . .	3,390 68	
		<u>\$38,071 50</u>
Expenses water-pipe lines . . . . .	3,978 01	
Miscellaneous expenses . . . . .	7,342 36	
Repairs, &c., to real estate . . . . .	568 87	
Farm improvements, Catawissa Valley . . . . .	112 72	
Salaries . . . . .	18,370 00	
		<u>\$68,443 46</u>

#### REAL ESTATE IN THE CITY OF PHILADELPHIA.

Taxes . . . . .	\$137,686 76	
Water rents . . . . .	6,412 11	
General repairs . . . . .	\$38,804 90	
Collected from tenants on account of repairs, fire damages, &c. . . . .	3,150 12	
		<u>35,654 78</u>
<i>Amount carried forward</i> . . . . .	\$179,753 65	<u>\$68,443 46</u>



**EXPENDITURES—RESIDUARY FUND, ESTATE.—Continued.**

<i>Amount brought forward</i> . . .	\$179,753 65	\$68,443 46
Wages, Stephen Girard Building . .	25,397 00	
Supplies, Stephen Girard Building . . . . .	\$10,825 73	
Less amount collected from tenants . . .	236 67	
		10,589 06
Wages, Mariner and Merchant Building . . . . .	9,667 97	
Supplies, Mariner and Merchant Building . .	\$26,185 61	
Less amount collected from tenants . . .	468 48	
		25,717 13
Wages, Third Street Power House . . .	\$8,690 19	
Less amount collected for services to tenants,	334 75	
		8,355 44
Supplies . . . . .	\$6,372 27	
Collected from tenants . . .	12 62	
		6,359 65
Fuel . . . . .	32,444 74	
Salaries . . . . .	6,933 16	
Law and miscellaneous expenses . .	10,666 60	
Insurance premiums . . . . .	24,065 22	
Improvement of Girard Park . . . .	2,459 61	
		342,409 23
Real estate purchases :—		
Building 439-41 Chestnut Street . . . . .		222,852 05
Real estate improvements :—		
Erection of building southwest corner Third and Chestnut Streets .	\$4,960 14	
Erection and equipment of power plant 312 Stock Exchange Place .	658 02	
Alteration Girard Bank Building . .	35,295 13	
<i>Amount carried forward</i> . . . .	\$40,913 29	\$633,704 74

**EXPENDITURES—RESIDUARY FUND, ESTATE.—Continued.**

<i>Amount brought forward . . .</i>	\$40,913 29	\$633,704 74
435 Chestnut Street, heating and electric lighting . . . . .	\$146 88	
Street improvements, Twenty-sixth and Thirty-sixth Wards .	14,780 45	
Erection of elevator 11 North Water Street .	900 00	
	<u>15,827 33</u>	
Grading farm No. 11 .	689 45	
	<u>57,430 07</u>	

**STOCKS AND LOANS.**

Expenses of investment . . . . .	183 50	
Interest on mortgage loan 439-41 Chestnut Street . . . . .	354 60	
	<u>538 10</u>	

**GENERAL OFFICE EXPENDITURES.**

Salaries . . . . .	\$23,877 17	
General expenses . . . . .	14,991 82	
Arranging and indexing Mr. Girard's papers . . . . .	3,755 37	
	<u>42,624 36</u>	

**INVESTMENTS AND REINVESTMENTS.**

Bonds and mortgages . . . . .	396,350 00	
Total expenditures for Residuary Fund, Estate	\$1,130,647 27	

## EXPENDITURES—GIRARD COLLEGE.

## HOUSEHOLD.

Wages . . . . .	\$74,799 22	
Subsistence . . . . .	113,354 78	
Clothing . . . . .	51,094 71	
Dry goods . . . . .	7,141 94	
Furniture . . . . .	8,178 59	
Repairs . . . . .	21,160 31	
Grounds . . . . .	6,485 68	
Lighting . . . . .	5,571 29	
Fuel . . . . .	32,847 46	
Water rent . . . . .	891 48	
Laundry supplies . . . . .	3,411 14	
Salaries . . . . .	32,196 38	
Incidentals . . . . .	11,512 23	
Cadets . . . . .	3,479 30	
		\$372,124 51
Erection of house 2025 Girard Avenue . . . . .		10,276 00

## INFIRMARY.

Salaries . . . . .	\$4,708 34	
Maintenance . . . . .	9,965 03	
		14,673 37

## INSTRUCTION.

Salaries . . . . .	\$66,196 68	
School books and stationery . . . . .	7,238 09	
Chemical laboratory . . . . .	855 24	
School furniture . . . . .	773 19	
School and philosophical apparatus . . . . .	867 78	
Department of Natural History . . . . .	26 76	
Library, books and binding . . . . .	546 55	
Salaries, Mechanical School . . . . .	13,696 45	
Supplies, &c., Mechanical School . . . . .	3,514 19	
		93,714 93

## ADMISSION, DISCIPLINE, &amp;c.

Salaries . . . . .	\$2,400 00	
Expenses of admission . . . . .	564 79	
Rewards and premiums . . . . .	769 51	
		3,734 30
Total expenditures for Girard College . . . . .		\$494,523 11

# RECAPITULATION.—RESIDUARY FUND.

## Receipts.

Real estate out of City	\$462,377 21	
Expenses . . . . .	68,443 46	
	<u>                    </u>	\$393,933 75
Real estate in the City	\$728,808 01	
Expenses . . . . .	342,409 23	
	<u>                    </u>	386,398 78
Stocks and Loans . .	\$197,089 62	
Expenses . . . . .	538 10	
	<u>                    </u>	196,551 52
		<u>                    </u>
General Office Expenses . . . . .		\$976,884 05
		<u>                    </u>
		42,624 36
		<u>                    </u>
		\$934,259 69
Premium on bonds sold . . . . .		7,877 12
		<u>                    </u>
Net Receipts, Residuary Fund . . . . .		\$942,136 81
Principal of investments collected . . . . .		346,275 00
Cash balance, January 1st, 1903 . . . . .		3,910 23
		<u>                    </u>
		\$1,292,322 04

## Payments.

Girard College expenses, ordinary .	\$484,247 11	
Sale of waste material, &c. . . . .	1,882 27	
	<u>                    </u>	
		\$482,364 84
Purchase of real estate in Philadelphia,	222,852 05	
Permanent improvements to real es-		
tate in Philadelphia . . . . .	57,430 07	
Investments and reinvestments, mort-		
gages, &c. . . . .	396,350 00	
Improvement of 2025 Girard Avenue	10,276 00	
	<u>                    </u>	1,169,272 96
		<u>                    </u>
Cash balance, December 31st, 1903 . . . . .		\$123,049 08
		<u>                    </u>

## FIRE INSURANCE FUND.

Established in December, 1892, to take the Place of Cancelled Fire Insurance Policies upon Certain Selected Buildings.

## INVESTED CAPITAL, DECEMBER 31ST, 1903.

Bonds and mortgages . . . . .	\$35,000 00
Philadelphia City 3 per cent. loan . . . . .	800 00
“ “ 3½ “ “ . . . . .	3,000 00
Pittsburgh City 4 “ “ . . . . .	3,000 00
Total . . . . .	<u>\$41,800 00</u>

## CASH RECEIPTS AND EXPENDITURES FROM JANUARY 1ST, 1903, TO DECEMBER 31ST, 1903, INCLUSIVE.

## RECEIPTS.

Fire insurance, annual premiums . . .	\$2,454 35	
Interest bonds and mortgages . . . .	1,530 27	
“ Philadelphia City loan . . . .	129 00	
“ Pittsburgh City loan . . . .	120 00	
“ on deposits in bank . . . . .	42 87	
		<u>\$4,276 49</u>
Principal of mortgage-loans returned . . . . .	7,000 00	
Deposit withdrawn Western Saving Fund . . . .	1,254 00	
Cash balance January 1st, 1903 . . . . .	2,594 76	
		<u>\$15,125 25</u>

## EXPENDITURES.

General expenses . . . . .	\$88 40	
Expenses of investment . . . . .	15 65	
Investments :—		
Bonds and mortgages . . . . .	8,500 00	
		<u>8,604 05</u>
Cash balance December 31st, 1903 . . . . .	\$6,521 20	



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FUND FOR THE IMPROVEMENT OF THE DELAWARE FRONT  
OF THE CITY, REMOVAL OF WOODEN BUILDINGS, &c.

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Stocks and Loans Appropriated by the Executors of Stephen  
Girard's Will for the Improvement of the Delaware Front of  
the City, &c., with Subsequent Investments and Reinvestments.

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DECEMBER 31ST, 1903.

	Par Value.
State of Pennsylvania 3½ per cent. loan . . . .	\$5,000 00
City of Philadelphia 3 per cent. loan \$130,600 00	
“ “ 3½ “ 80,800 00	
“ “ 4 “ 225,500 00	
	<hr/>
	436,900 00
City of Pittsburgh 4 per cent. loan . . \$10,000 00	
“ “ 5 “ . . 2,000 00	
	<hr/>
	12,000 00
Bonds and mortgages upon real estate . . . . .	151,200 00
	<hr/>
Total . . . . .	<u>\$605,100 00</u>

**Cash Receipts and Expenditures of the Fund for the Improvement of the Delaware Front of the City, &c., from January 1st, 1903, to December 31st, 1903, inclusive.**

RECEIPTS.

Interest Philadelphia City loan . . .	\$15,766 00	
“ Pittsburgh City “ . . .	855 00	
“ Pennsylvania State “ . . .	175 00	
“ mortgage loans . . . . .	6,769 25	
“ on deposits in bank . . . . .	856 40	
Rent of electrical ducts . . . . .	207 00	
		\$24,628 65
Premium on bonds sold . . . . .		2,785 30
Principal of investments collected :—		
Pittsburgh City 4 per cent. loan,		
sold . . . . .	\$5,300 00	
Pittsburgh City 5 per cent. loan	10,000 00	
“ “ 7 “ “ “	3,000 00	
Mortgages, principal collected .	9,000 00	
Insurance Co. State of Penn-		
sylvania, 22 shares stock . .	1,760 00	
		29,060 00
Total receipts . . . . .		<u>\$56,473 95</u>

EXPENDITURES.

Salaries . . . . .	\$1,155 00	
Widening Delaware Avenue . . .	4,928 30	
Street repairs . . . . .	405 88	
“ cleaning . . . . .	6,916 66	
“ lighting . . . . .	8,852 97	
Incidentals . . . . .	68 24	
		\$22,327 05
Commission and expenses of investment . . . .		1 65
Removal of wooden buildings . . . . .		250 00
General expenses . . . . .		1,356 50
Total expenditures . . . . .		<u>\$23,935 20</u>

# RECAPITULATION, FUND FOR THE IMPROVEMENT OF THE DELAWARE FRONT OF THE CITY, &c.

## RECEIPTS.

Gross income . . . . .	\$24,628 65	
Expenses of investment . . . .	1 65	
		\$24,627 00
General office expenses . . . . .		1,356 50
Net income . . . . .		\$23,270 50
Premium on bonds sold . . . . .		2,785 30
Principal of investments, collected . . . . .		29,060 00
Cash balance, January 1st, 1903 . . . . .		10,367 00
		<u>\$65,482 80</u>

## EXPENDITURES.

Expenses, Delaware front of city . . . . .	\$22,327 05	
Removal of wooden buildings . . . . .	250 00	
		22,577 05
Cash balance, December 31st, 1903 . . . . .		<u>\$42,905 75</u>

GEORGE E. KIRKPATRICK,  
*Superintendent Girard Estate.*

STEPHEN GIRARD BUILDING,  
21 S. TWELFTH STREET, PHILADELPHIA,  
December 31st, 1903.

## APPENDIX B.

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# REPORT OF THE ENGINEER

OF THE

# GIRARD ESTATE

IN

SCHUYLKILL AND COLUMBIA COUNTIES, PENNSYLVANIA,

FOR THE YEAR 1903.

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### OFFICERS:

*Engineer* . . . . . HEBER S. THOMPSON, Pottsville.  
*Solicitor* . . . . . SAMUEL H. KAERCHER, Pottsville.  
*Assistant Superintendent* . . EMIL C. WAGNER, Girardville.  
*Mine Inspector* . . . . . HENRY J. WELLER, Girardville.

# ANNUAL REPORT

## OF THE

### ENGINEER OF THE GIRARD ESTATE.

MESSRS. JOHN K. CUMING, JOHN H. MICHENER, JOHN H. CONVERSE, DALLAS SANDERS, EDWIN S. STUART, WILLIAM H. LAMBERT, GEORGE MCCURDY, LOUIS WAGNER,  
*Committee on the Girard Estate without the city of Philadelphia:*

GENTLEMEN:—In marked contrast with 1902, the year 1903 has been most prosperous for all connected with the mining and transportation of Anthracite coal, the total shipment of which from the State of Pennsylvania reached the high-water mark of 59,362,831 tons. The year 1901 had previously held this distinction with a shipment of 53,568,601 tons. Of the tonnage of 1903, the output from the Girard Estate, 1,515,213 $\frac{14}{10}$  tons, constituted 2 $\frac{1}{2}$  per cent.

There have been three years of heavier shipments from the Girard Estate, viz.: 1879, 1883, and 1893, the tide seeming to rise at periods a decade apart. The figures for the four years of heaviest production from the Girard Estate and for the same years from the State of Pennsylvania, with the proportions between them, are as follows:—

	SHIPMENTS				Proportions of Pennsylvania Anthracite shipped from the Girard Estate. Per Cent.
	From the Girard Estate.		From the State of Pennsylvania.		
	Tons.	Cwt.	Tons.		
1879 . . . . .	1,622,747	14	26,142,689		6.2
1883 . . . . .	1,597,985	06	31,793,027		5.0
1893 . . . . .	1,542,652	03	43,089,537		3.5
1903 . . . . .	1,515,213	14	59,362,831		2.5



Had not a number of the collieries on the Girard Estate been for a large part of the year still crippled by the floods and strike of 1902, the tonnage from the Estate would have exceeded that of 1893 and closely approached that of 1883. The good condition in which the plants on the Girard Estate are being placed and the developments planned should insure as heavy a production for the future as trade conditions will admit, and these may reasonably be expected to be favorable for some time to come.

The total coal shipped to market from the Girard Estate in the forty-one years from 1863 to 1903, inclusive, has been 42,286,773 $\frac{1}{2}$  tons.

The coal-producing operations on the Girard Estate are thirteen, of which two are classed as washeries because they are exclusively engaged in reworking culm banks, yet of the eleven classed as collieries the production of two came in 1903 almost entirely from culm banks, and five others very materially augmented their output from this source.

The leases are as follows:—

COLLIERY.	LESSEE.
Hammond . . . . .	Philadelphia and Reading Coal and Iron Co.
East Bear Ridge . . . . .	Philadelphia and Reading Coal and Iron Co.
Kimberley . . . . .	Philadelphia and Reading Coal and Iron Co.
Packer No. 1 . . . . .	Lehigh Valley Coal Company.
Packer No. 2 . . . . .	Lehigh Valley Coal Company.
Packer No. 3 . . . . .	Lehigh Valley Coal Company.
Packer No. 4 . . . . .	Lehigh Valley Coal Company.
Continental . . . . .	Lehigh Valley Coal Company.
William Penn . . . . .	Susquehanna Coal Company.
Kehley's Run . . . . .	Thomas Coal Company.
Girard . . . . .	W. R. McTurk & Co.

#### WASHERIES.

Raven Run . . . . .	Raven Run Coal Company.
Schuykill No. 1 . . . . .	North American Coal Company.

Two features in connection with the mining operations on the Estate are worthy of note, viz., the marked and general enlargement and improvement of the plants both above and below ground, and the development of all possible sources of supply for these enlarged plants, shown especially in the numerous stripping operations undertaken or in contemplation at every colliery,

and in the testing and working of small beds of coal, until recently not considered of value.

New and modern breakers have been put into operation during the past year at Hammond and Kehley's Run Collieries, and a new breaker is proposed for Packer No. 1 (-5) Colliery, the coal from which is now sent to Packer No. 4 breaker for preparation. The latter breaker is now in full operation, and is handling with ease the coal from all the Packer Collieries, which prior to 1901 was handled by four separate breakers.

Since the disastrous floods of the Winter of 1901-2, the question of a steam supply and pumping capacity adequate for all emergencies has received the careful consideration of the colliery managements, and this has resulted in greatly enlarged steam plants, in which return tubular or water-tube boilers of the latest type and of high service have supplanted the cylinder boilers so generally used at the mines in former years. Widely separated steam plants have, in many instances, been consolidated in one central plant. Water hoists are now in operation at two collieries, William Penn and Packer No. 1 (-5), and increased pumping capacity has been installed at the other Packer Collieries.

In this connection, it is interesting to note that it is estimated that in ordinary times there is pumped or hoisted each day on the Girard Estate 8,000,000 gallons of water, which is over seven tons of water hoisted for each ton of coal. To provide steam for pumping, hoisting, for running ventilating fans and breaker machinery, the steam plants have a total rated capacity of 14,670 horse-power, the largest plant being at Packer No. 4 Colliery with 2500 horse-power, Hammond Colliery being a close second with 2400 horse-power.

A marked advance has also been made in the steps taken to reduce the danger from fire to a minimum. Pump houses are now made absolutely fire-proof, with concrete floors, sides of stone or brick, closets built into walls, and roofs of iron girders covered with iron rails and sheet iron. Several small steam lines are superseded by one large one, and this is placed in a pumpway especially adapted for the purpose instead of being on a hoisting slope as in the past, where it came in contact with inflammable timber and was itself liable to be broken by any accident on the slope.

Buildings on the surface are now being constructed in a substantial manner, usually of stone or brick, and when of wood are painted to preserve them and render them less liable to catch fire. An especial effort is made to keep the colliery plants in good order and waste material is not allowed to accumulate around the buildings.

It is a corollary to all this that no fires occurred at or in the collieries on the Girard Estate in 1903.

The working time of the collieries has been unusually large. One colliery made 86 per cent. of full time, and two others and one washery made 84 per cent. The average for all plants was 72 per cent. This is based on a full day of ten hours prior to April 1st, and of nine hours after that date, as fixed by the Anthracite Coal Strike Commission.

The average shipments per day worked have not been as high as usual, the highest average of daily shipments for any one colliery being 812 tons, while in 1901 two collieries exceeded 1000 tons per day, as has also been the case in previous years.

There was driven during 1903 at the various collieries 10,414 yards or  $5\frac{92}{100}$  miles of gangway and seven tunnels of an aggregate length of 629 yards.

The production of coal in 1903 was 1,701,669 $\frac{11}{20}$  tons made up as follows:—

	TONS.	CWT.
Shipped to market, freshly mined . . . . .	1,050,281	19
“ “ “ reclaimed from culm banks . . . . .	464,931	15
<hr/>		
Total coal on which royalty was paid . . . . .	1,515,213	14
Consumed in operating . . . . .	186,455	17
<hr/>		
Total production . . . . .	1,701,669	11

The 186,455 $\frac{17}{20}$  tons of coal consumed in the mining and preparation of the coal was  $12\frac{31}{100}$  per cent. of the shipment to market. In 1902 the ratio between the coal consumed and that shipped was  $21\frac{77}{100}$  per cent., and in 1901  $15\frac{7}{100}$  per cent.

The shipments of each colliery and washery for this year are

shown in the following table, with the increase or decrease as compared with the year preceding :—

TABLE SHOWING THE QUANTITY OF COAL SHIPPED TO MARKET BY EACH COLLIERY IN 1903, AND THE INCREASE OR DECREASE IN COMPARISON WITH THE QUANTITY OF THE PRECEDING YEAR.

COLLIERY.	SHIPMENT.				Increase above 1902.		Net Increase.	
	1903.		1902.					
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
Packer No. 1 . . . . .	208,221	10	92,803	19	115,417	11	.	.
Schuylkill Washery No. 1 . . . . .	174,087	01	106,602	07	67,484	14	.	.
Packer No. 3 . . . . .	171,193	13	85,480	06	85,713	07	.	.
William Penn . . . . .	165,474	08	64,605	09	100,868	19	.	.
Continental . . . . .	143,981	03	89,180	04	54,800	19	.	.
Packer No. 2 . . . . .	118,190	12	15,261	03	102,929	09	.	.
Hammond . . . . .	117,037	09	3,836	12	113,200	17	.	.
Packer No. 4 . . . . .	112,169	13	50,735	05	61,434	08	.	.
East Bear Ridge . . . . .	88,356	12	38,423	18	49,932	14	.	.
Girard . . . . .	75,293	17	26,953	17	48,340	00	.	.
Raven Run Washery . . . . .	55,952	17	52,204	17	3,748	00	.	.
Kehley's Run . . . . .	54,604	06	1,155	12	53,448	14	.	.
Kimberley . . . . .	30,650	13	8,922	00	21,728	13	.	.
Total . . . . .	1,515,213	14	636,165	09	879,048	05	879,048	05

With chestnut and the sizes larger classified as large coal and pea coal and the sizes smaller than pea coal classified as small coal, the changes which have taken place in the production of large and small coal in each period of five years since 1865 are shown to be as follows :—

	LARGE COAL.			SMALL COAL.		
	Tons.	Cwt.	Per Cent.	Tons.	Cwt.	Per Cent.
In 1865 . .	240,466	03	100.00	.	.	.
" 1870 . .	455,168	06	96.43	16,830	13	3.57
" 1875 . .	644,557	11	91.48	59,987	14	8.52
" 1880 . .	1,104,097	06	88.21	147,588	00	11.79
" 1885 . .	919,138	02	80.55	221,996	03	19.45
" 1890 . .	1,042,215	14	79.37	270,881	17	20.63
" 1895 . .	1,056,653	05	70.95	432,705	07	29.05
" 1900 . .	627,093	10	57.41	465,263	14	42.59
" 1901 . .	697,080	17	55.85	550,953	03	44.15
" 1902 . .	316,643	12	49.76	319,521	17	50.24
" 1903 . .	764,945	11	50.48	750,268	03	49.52

Excluding coal reclaimed from culm banks deposited in mining operations of former years, the proportions of large and small coal in the six latest periods are:—

	LARGE COAL.			SMALL COAL.		
	Tons.	Cwt.	Per Cent.	Tons.	Cwt.	Per Cent.
In 1890 . .	1,041,340	12	79.72	264,849	11	20.28
“ 1895 . .	1,056,653	05	70.95	432,705	07	29.05
“ 1900 . .	625,422	11	63.31	362,227	09	36.69
“ 1901 . .	689,440	07	63.46	396,988	13	36.54
“ 1902 . .	296,821	07	64.31	164,693	08	35.69
“ 1903 . .	701,043	19	66.75	349,238	00	33.25

This  $33\frac{25}{100}$  per cent. (349,238 tons) of small coal derived from fresh mined coal in 1903 was made up of different sizes as follows:—

11.72 per cent.	123,120 $\frac{11}{20}$ tons of pea coal,
15.29 “	160,618 $\frac{1}{20}$ “ buckwheat coal,
6.23 “	65,424 $\frac{18}{20}$ “ rice coal,
0.01 “	45 $\frac{1}{20}$ “ barley coal.
. . . “	29 $\frac{9}{20}$ “ culm.

The table on page 81 shows the quantity and percentage of each of these small sizes shipped from the Girard Estate each year since the opening of the first colliery, and the table on page 82 shows the quantity and percentages of each size of large and small coal shipped each year for the past twenty-seven years, while the table on page 83 shows the percentage of each size of coal sent to market in 1903 from each colliery and washery on the Girard Estate.

The average rates of royalty received for the year 1903 on the total production, on the coal shipped to market, on that freshly mined and on that reclaimed from culm banks, and a comparison of these rates with those received in the two preceding years are shown in the following table:—

	AVERAGE ROYALTY.		
	1903.	1902.	1901.
On coal produced . . . . .	23.54	21.87	24.94
“ shipped to market . . . . .	26.44	26.63	28.70
“ freshly mined . . . . .	31.47	31.25	30.94
“ reclaimed from culm banks .	15.07	14.38	13.66



The decrease in the average royalty on the total shipments, while the average rates on both the coal freshly mined and that reclaimed from culm banks has increased, is accounted for by the larger proportion of coal coming from the latter source. Thus in 1903 coal reclaimed from culm banks formed  $30\frac{7}{10}$  per cent. of the total shipment, while in 1902 this proportion was  $27\frac{1}{2}$  per cent. and in 1901 only 13 per cent.

Tables are presented on pages 84 to 88 showing the annual shipment of each colliery and washery each year from 1863 to 1903, covering the period of forty-one years from the opening of the first colliery on the Girard Estate subsequent to the operations through old Girard Tunnel in 1835; also on page 89 a table showing the quantity of coal shipped under each coal lease, the gross royalty due to this shipment, the deferred royalty to be retained for improvements in previous years, the right of way on coal mined from adjoining lands, and the colliery house rents for the year 1903. Following these tables a brief summary is given of the present condition of the mining operations at each colliery, with some details of forestry, timber cutting, farm and lot leases, water mains, road repairs and county, school, road and poor taxes.

TABLE SHOWING THE QUANTITY AND PERCENTAGE OF BARLEY AND RICE, BUCKWHEAT, PEA AND CHESTNUT COAL, AND COAL LARGER THAN CHESTNUT SHIPPED FROM THE GIRARD ESTATE EACH YEAR FROM THE OPENING OF THE FIRST COLLIERY.

YEAR.	COAL LARGER THAN CHESTNUT.			CHESTNUT COAL.			PEA COAL.			BUCKWHEAT COAL.			RICE AND BARLEY COAL AND CULM.		
	Tons.	Cwt.	Per cent. of Ship-ment.	Tons.	Cwt.	Per cent. of Ship-ment.	Tons.	Cwt.	Per cent. of Ship-ment.	Tons.	Cwt.	Per cent. of Ship-ment.	Tons.	Cwt.	Per cent. of Ship-ment.
1903.	500,089	04	33.00	264,856	07	17.48	210,170	06	13.87	327,398	08	21.61	212,699	09	14.04
1902.	195,159	04	30.67	121,484	08	19.09	98,394	18	15.47	149,425	07	23.49	71,701	12	11.28
1901.	436,871	11	35.00	260,209	06	20.85	185,569	19	14.87	277,734	02	22.26	87,649	02	7.02
1900.	417,268	16	38.20	209,824	14	19.21	152,655	15	13.98	230,546	12	21.10	82,061	07	7.51
1899.	531,300	18	43.73	274,804	07	22.61	159,136	17	13.10	212,734	08	17.51	37,052	05	3.05
1898.	541,936	19	45.12	275,106	09	22.90	151,092	03	12.58	216,592	11	18.03	16,456	05	1.37
1897.	587,360	05	47.99	265,897	05	21.72	146,698	06	11.98	213,085	10	17.41	10,958	11	0.90
1896.	621,710	19	49.21	276,760	03	21.91	147,595	13	11.69	213,061	08	16.88	3,960	01	0.31
1895.	754,139	05	50.64	302,514	00	20.31	171,443	03	11.51	246,441	05	16.54	14,820	19	1.00
1894.	749,499	16	53.60	281,807	03	20.15	155,451	17	11.12	211,504	19	15.13			
1893.	924,133	09	59.91	259,235	08	16.80	159,210	04	10.32	200,073	02	12.97			
1892.	927,203	15	62.00	230,072	08	15.39	148,816	18	9.95	189,283	04	12.66			
1891.	899,604	15	62.64	227,717	08	15.86	170,991	02	11.91	137,623	14	9.59			
1890.	843,312	07	64.22	198,903	07	15.15	141,603	03	10.78	129,278	14	9.85			
1889.	841,231	17	65.09	179,289	14	13.87	182,882	19	14.15	89,103	10	6.89			
1888.	872,048	13	69.91	147,072	14	11.79	157,540	09	12.63	70,791	18	5.67			
1887.	736,093	03	69.79	108,713	10	10.30	152,730	14	14.47	57,344	12	5.44			
1886.	759,966	10	68.96	131,046	06	11.90	149,381	10	13.56	61,501	08	5.58			
1885.	782,275	00	68.56	136,863	02	11.99	150,433	15	13.18	71,562	08	6.27			
1884.	979,792	03	69.66	167,251	02	11.89	177,243	18	12.60	82,318	17	5.85			
1883.	1,147,559	08	71.81	194,392	03	12.17	190,245	00	11.91	65,788	15	4.11			
1882.	1,082,303	09	74.58	136,959	05	9.44	163,524	00	11.26	68,518	09	4.72			
1881.	1,070,869	15	75.41	159,687	04	11.24	158,711	03	11.18	30,722	17	2.17			
1880.	962,207	01	76.87	141,890	05	11.34	135,832	19	10.85	11,755	01	.94			
1879.	1,221,126	13	75.25	212,377	03	13.09	185,661	19	11.44	3,581	19	.22			
1878.	803,182	19	77.22	130,196	16	12.52	105,962	08	10.19	696	06	.07			
1877.	862,931	15	77.13	153,062	09	13.68	102,765	19	9.19						
1876.	614,404	12	76.19	117,063	05	14.51	74,992	03	9.30						
1875.	550,758	10	78.17	93,799	01	13.31	59,987	14	8.52						
1874.	791,830	18	81.83	111,776	04	11.55	64,000	03	6.62						
1873.	755,354	11	82.83	110,860	17	12.16	45,724	07	5.01						
1872.	581,940	15	83.05	83,333	16	11.89	35,475	19	5.06						
1871.	519,284	05	83.62	76,229	08	12.27	25,503	05	4.11						
1870.	397,623	18	84.24	57,544	08	12.19	16,830	13	3.57						
1869.	427,153	11	86.71	55,153	16	11.19	10,336	14	2.10						
1868.	396,979	05	87.87	50,628	14	11.20	4,179	03	.93						
1867.	453,163	04	87.49	62,943	02	12.17	1,800	19	.34						
1866.	384,891	01	90.70	39,485	18	9.30									
1865.	220,756	03	91.80	19,710	00	8.20									
1864.	106,176	18	90.11	11,647	19	9.89									
1863.	36,709	19	90.00	4,078	16	10.00									

TABLE SHOWING QUANTITY AND PERCENTAGE OF EACH SIZE OF COAL SHIPPED EACH YEAR FROM 1877 TO 1903.

YEAR.	LUMP.		STEAM-BOAT.		BROKEN.		EGG.		STOVE.		CHESTNUT.		TOTAL LARGE.		PEA.		BUCK-WHEAT.		RICE.		BARLEY.		CULM.		TOTAL SMALL.		TOTAL SHIPMENT.	
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1903	2,989	17	49,591	09	109,921	08	143,780	14	211,895	16	264,856	07	764,945	11	210,170	06	327,398	08	199,313	10	22,226	16	159	03	759,268	03	1,515,213	14
	0.20		2.67		6.66		9.49		13.98		17.48		50.48		13.87		21.61		12.39		1.47		0.01		49.52		100	
1902	1,675	14	15,192	06	38,640	15	57,931	03	82,619	06	121,484	08	316,643	12	96,394	18	149,425	07	65,197	15	5,187	17	1,316	00	319,521	17	636,165	09
	0.26		2.39		6.07		8.96		12.99		19.09		49.76		15.47		23.49		10.28		0.82		0.21		50.24		100	
1901	759	05	21,257	08	115,192	02	131,150	03	168,512	13	607,080	06	177,734	02	185,569	19	277,734	02	81,356	10	6,292	12			559,953	03	1,248,934	00
	0.06		1.70		9.23		10.51		13.50		20.85		55.85		14.87		22.26		6.59		0.50				44.15		100	
1900	4,376	13	36,672	14	116,324	11	111,703	09	148,191	09	209,824	14	677,993	10	152,655	15	230,546	12	82,661	07					465,263	14	1,092,357	04
	4.37		3.36		10.65		10.22		13.57		19.21		57.41		13.98		21.10		7.51						42.59		100	
1899	12,234	08	42,783	11	141,984	16	139,339	12	194,947	11	274,804	07	806,105	05	159,136	17	212,734	08	37,952	05					408,923	13	1,215,028	15
	12.23		3.52		11.69		11.47		16.04		22.61		66.34		13.10		17.51		3.05						33.66		100	
1898	16,725	12	60,446	10	120,542	19	138,729	14	205,892	04	275,106	09	817,043	08	151,092	03	216,592	11	16,456	05					384,140	19	1,201,184	07
	16.72		5.00		10.04		11.55		17.14		22.90		68.02		12.58		18.03		1.37						31.98		100	
1897	21,688	16	67,948	13	120,010	06	145,950	13	231,801	17	265,897	05	533,257	10	146,698	06	213,085	10	10,958	11					370,742	07	1,223,999	17
	21.68		5.55		9.81		11.92		18.94		27.76		69.71		11.98		17.41		0.90						30.29		100	
1896	42,707	10	177,968	12	125,809	02	137,711	01	237,534	14	276,760	03	898,471	02	147,595	13	213,061	08	3,960	01					364,617	02	1,263,088	04
	42.70		6.17		9.96		10.90		18.80		21.91		71.12		11.69		16.88		0.31						28.88		100	
1895	53,367	17	127,078	01	155,148	09	162,293	01	255,361	17	302,514	00	1,056,653	05	171,443	03	246,441	05	14,820	19					432,705	07	1,489,358	12
	53.36		8.57		10.42		10.90		17.15		20.31		70.95		11.51		16.54		1.00						29.05		100	
1894	57,668	05	126,402	09	159,572	06	164,966	09	249,890	07	281,807	03	1,031,306	19	155,451	17	211,504	19							366,956	16	1,398,263	15
	57.66		9.04		10.77		11.79		17.88		20.15		73.75		11.12		15.13		26.25						40.25		100	
1893	47,702	04	198,748	06	183,228	17	196,381	06	298,342	16	259,235	08	1,183,368	17	159,210	04	200,073	02							359,283	06	1,542,652	03
	47.70		12.87		11.88		12.73		19.34		16.80		76.71		10.32		12.97		9.85						338,100	02	1,495,376	05
1892	54,936	04	234,807	05	175,359	05	177,108	16	284,992	01	339,072	08	1,157,276	03	148,816	18	189,283	04							338,100	02	1,495,376	05
	54.93		15.70		11.73		11.84		19.06		15.39		77.39		9.95		12.66		0.31						21.04		100	
1891	42,321	07	242,086	10	171,027	19	170,516	19	273,652	00	227,177	08	1,127,322	03	170,991	02	137,623	14							308,614	16	1,435,936	19
	42.32		16.86		11.91		11.87		19.05		15.86		78.50		11.91		9.59		21.50						22.61		100	
1890	39,611	15	230,099	14	179,419	05	132,898	17	209,282	16	1,042,215	14	141,603	03	129,278	14			270,881	17					270,881	17	1,313,097	11
	39.61		17.52		13.66		10.12		20.59		15.15		79.37		10.78		9.35		21.50						20.63		100	
1889	38,536	14	190,123	18	188,669	14	129,390	19	294,690	12	1,020,521	11	182,882	19	89,103	10			271,986	09					271,986	09	1,292,508	00
	38.53		14.71		14.60		10.01		22.80		13.87		78.96		14.15		6.89		21.04						21.04		100	
1888	35,005	17	209,989	08	180,772	05	146,251	18	300,029	05	1,019,121	07	157,540	09	12,633	14			228,332	07					228,332	07	1,247,453	14
	35.00		16.83		14.49		11.72		24.06		11.79		81.70		12.63		5.67		18.30						18.30		100	
1887	63,882	04	236,790	13	122,773	04	122,173	04	266,705	06	891,012	16	149,381	10	61,911	08			210,975	06					210,975	06	1,954,888	19
	63.88		22.44		11.66		9.65		19.99		10.30		80.09		14.47		5.44		18.30						18.30		100	
1886	77,926	11	152,816	16	140,344	13	122,173	04	266,705	06	891,012	16	149,381	10	61,911	08			210,975	06					210,975	06	1,954,888	19
	77.92		13.87		12.73		11.09		24.20		11.90		80.86		13.56		5.88		19.91						19.91		100	
1885	51,395	15	139,091	07	173,452	15	130,176	08	288,158	15	919,138	02	150,433	15	71,562	08			210,975	06					210,975	06	1,954,888	19
	51.39		12.18		15.20		11.65		25.25		11.99		80.55		13.18		6.27		19.91						19.91		100	
1884	78,458	15	165,629	01	223,103	19	165,643	11	346,866	17	1,046,953	05	177,443	18	82,318	17			210,975	06					210,975	06	1,954,888	19
	78.45		11.77		15.87		11.78		24.66		11.89		81.55		12.06		5.85		19.91						19.91		100	
1883	130,434	08	184,253	17	242,653	01	188,594	12	401,623	10	1,341,951	11	199,245	00	65,788	15			210,975	06					210,975	06	1,954,888	19
	130.43		11.53		15.87		11.80		25.13		12.17		83.08		11.01		4.11		19.91						19.91		100	
1882	157,574	11	159,720	06	248,153	15	172,951	06	343,993	11	1,219,262	14	163,524	00	68,518	09			210,975	06					210,975	06	1,954,888	19
	157.57		11.05		17.09		11.91		23.68		9.44		84.02		11.26		4.72		19.91						19.91		100	
1881	163,185	14	169,312	09	233,621	04	192,158	14	313,191	14	1,219,262	14	163,524	00	68,518	09			210,975	06					210,975	06	1,954,888	19
	163.18		11.02		16.41		13.53		22.06		11.24		86.65		11.18		39,722	17	15.98						15.98		100	
1880	194,200	01	151,791	17	199,694	11	143,930	07	281,590	05	1,104,097	06	135,832	19	11,755	01			189,434	00					189,434	00	1,419,999	19
	194.20		12.13		15.23		11.49		22.51		11.34		88.21		10.85		2.17		13.35						13.35		100	
1879	163,631	13	180,946	03	268,956	14	205,030	08																				



TABLE SHOWING THE PERCENTAGES OF DIFFERENT SIZES OF COAL SENT TO MARKET  
BY EACH COLLIERY AND WASHERY IN 1903.

COLLIERY OR WASHERY.	LUMP.	STEAM- BOAT.	BROKEN.	EGG.	STOVE.	CHEST- NUT.	TOTAL LARGE.	PEA.	BUCK- WHEAT.	RICE.	BAR- LEY.	CULM.	TOTAL SMALL.	TOTAL.
Hammond	.....	1.64	14.49	15.25	20.97	21.77	74.12	12.80	13.05	0.03	....	....	25.88	100
East Bear Ridge	.....	18.00	11.81	11.36	16.31	14.03	71.51	11.25	16.54	0.70	....	....	28.49	100
Kimberley	.....	12.72	11.36	8.41	11.37	15.61	65.47	15.23	16.20	3.10	....	....	34.53	100
Packer No. 1	.....	4.22	9.92	13.90	21.18	23.16	72.38	6.72	12.40	8.48	0.01	0.01	27.62	100
Packer No. 2	.....	3.58	8.17	11.79	18.34	20.58	62.46	10.13	16.70	10.70	....	0.01	37.54	100
Packer No. 3	.....	3.32	7.64	11.33	17.54	19.85	59.68	11.31	17.89	11.12	....	....	40.32	100
Packer No. 4	.....	3.32	8.69	12.83	20.08	23.11	68.03	8.40	14.39	9.17	....	0.01	31.97	100
Continental	.....	2.72	7.04	11.35	14.54	25.56	61.21	13.48	19.05	0.26	....	....	38.79	100
William Penn	.....	1.60	11.39	17.00	17.96	20.59	68.54	16.63	12.88	1.93	0.02	....	31.46	100
Kehley's Run	.....	.....	5.22	17.09	22.83	30.77	75.91	15.52	5.78	2.79	....	....	24.09	100
Girard	.....	.....	.....	14.20	17.58	25.38	57.16	16.04	20.88	5.92	....	....	42.84	100
Total fresh mined coal	0.29	3.86	9.61	13.23	18.46	21.30	66.75	11.72	15.29	6.23	0.01	....	33.25	100
Hammond	.....	.....	.....	.....	.....	.....	.....	.....	100.00	.....	.....	.....	100.00	100
East Bear Ridge	.....	.....	.....	.....	.....	5.81	5.81	17.83	54.77	21.59	.....	.....	94.19	100
Packer No. 1	.....	.....	.....	3.98	6.97	9.96	20.91	25.89	35.28	17.92	.....	.....	79.09	100
Packer No. 2	.....	.....	.....	4.00	7.00	10.00	21.00	26.00	35.00	18.00	.....	.....	79.00	100
Packer No. 4	.....	.....	.....	4.00	7.00	10.00	21.00	26.00	35.00	18.00	.....	.....	79.00	100
Continental	.....	.....	.....	4.00	7.00	10.00	21.00	26.00	35.00	18.00	.....	.....	79.00	100
Kehley's Run	.....	.....	.....	.....	0.14	2.84	2.98	3.32	25.16	45.45	23.09	.....	97.02	100
Girard	.....	.....	.....	0.33	2.71	9.06	12.10	32.32	32.76	22.82	.....	.....	87.90	100
Raven Run Washery	.....	.....	.....	.....	.....	9.64	9.64	18.02	39.60	32.74	.....	.....	90.36	100
Schuykill No. 1 Washery	.....	.....	.....	.....	4.83	9.81	14.64	14.63	36.38	27.87	6.42	0.06	85.36	100
Total coal reclaimed from culm banks	.....	.....	.....	1.03	3.87	8.84	13.74	18.72	35.87	26.86	4.78	0.03	86.26	100
Total shipments	0.20	2.67	6.66	9.49	13.98	17.48	59.48	13.87	21.61	12.56	1.47	0.01	49.52	100

## ANNUAL SHIPMENT TO MARKET OF THE SEVERAL COLLIERIES ON THE GIRARD ESTATE.

	PRESENT TENANTS.	1863.		1864.		1865.		1866.		1867.		1868.		1869.		1870.		1871.	
		Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1	Philadelphia & Reading Coal & Iron Co., Hammond Colliery . . . . . Conner . . . . .	40,788	15	84,446	04	66,725	03	90,650	04	76,817	04	62,413	16	67,476	11	29,702	01	118,027	12
2	Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery . . . . .																		
3	Lehigh Valley Coal Co., Packer No. 1 Colliery . . . . .					22,430	19	55,439	04	95,436	03	117,414	00	112,666	11	125,055	17	121,926	10
4	Lehigh Valley Coal Co., Packer No. 2 Colliery . . . . . Packer No. 4 . . . . .			1,523	04	36,410	10	33,544	12	30,327	13	59,507	10	71,858	07	81,154	10	80,901	09
5	Lehigh Valley Coal Co., Packer No. 3 Colliery . . . . .							1,010	11	10,410	03	5,712	13	4,000	00	3,002	04	17,404	05
6	Lehigh Valley Coal Co., Continental Colliery . . . . . North Ashland " . . . . . Continental (and N. Ashland) . . . . .			2,750	04	24,017	17	38,724	14	43,276	10	37,004	04	31,440	02	37,653	04	73,623	08
				15,388	00	36,503	19	41,249	19	49,361	18	48,374	08	45,042	07	41,103	18	44,361	17
7	Susquehanna Coal Co., William Penn Colliery . . . . .					9,085	05	59,915	00	65,448	11	28,295	01	27,002	10	35,363	13	53,558	13
8	Thomas Coal Co., Kehley's Run Colliery . . . . .					2,372	17	10,139	08	35,143	06	18,935	00	67,940	09	79,585	19	68,554	01
9	W. R. McTurk & Co., Girard Colliery . . . . . Girard Washery . . . . .			13,717	05	32,828	16	49,097	04	67,867	04	54,801	12	60,562	05	38,841	11	40,318	09
10	West Bear Ridge Colliery . . . . .					10,090	17	44,606	03	43,818	13	19,328	18	4,654	19	536	02	2,340	14
		40,788	15	117,824	17	240,466	03	424,376	19	517,907	05	451,787	02	492,644	01	471,998	19	621,016	18



## ANNUAL SHIPMENTS.—Continued.

	PRESENT TENANTS.	1872.		1873.		1874.		1875.		1876.		1877.		1878.		1879.		1880.	
		Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1	Philadelphia & Reading Coal & Iron Co., Hammond Colliery . . . . . } Conner . . . . . }	98,813 09		142,066 08		146,619 12		123,935 17		114,552 01		{ 121,146 04 102,639 04 }		99,215 00 78,671 03		116,581 17 130,811 03		70,649 19 105,225 19	
2	Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery . . . . . }					71,821 04		40,311 14		47,356 06		85,001 19		51,144 16		30,036 18		64,549 03	
3	Lehigh Valley Coal Co., Packer No. 1 Colliery . . . . . }	121,162 17		89,116 13		45,604 07		46,003 03		59,871 09		85,955 08		62,229 08		85,297 03		64,598 11	
4	Lehigh Valley Coal Co., Packer No. 2 Colliery . . . . . } Packer No. 4 " . . . . . }	60,688 16		149,886 15		137,243 00		62,994 14		112,118 03		{ 89,129 12 101,860 01 }		88,544 19 118,790 04		144,138 01 248,341 18		117,022 12 167,102 01	
5	Lehigh Valley Coal Co., Packer No. 3 Colliery . . . . . }	53,344 06		65,622 07		97,449 11		67,580 19		75,747 13		117,170 11		83,957 15		111,487 03		74,733 16	
6	Lehigh Valley Coal Co., Continental Colliery . . . . . } North Ashland " . . . . . } Continental (and N. Ashland) . . . . . }	82,203 07 53,444 10 .		69,731 14 89,421 12 .		54,847 09 59,336 16 .		48,861 12 56,409 04 .		59,612 18 35,976 10 .		25,228 13 38,685 09 .		53,948 16 70,566 17 .		107,233 12 127,893 01 .		79,361 12 98,734 15 .	
7	Susquehanna Coal Co., William Penn Colliery . . . . . }	85,602 18		140,726 14		146,357 00		106,639 17		118,209 13		164,476 13		120,354 18		178,445 09		173,212 14	
8	Thomas Coal Co., Kehley's Run Colliery . . . . . }	102,837 04		99,314 19		87,709 03		65,466 18		89,368 00		68,905 07		100,520 19		151,266 11		82,095 02	
9	W. R. McTurk & Co., Girard Colliery . . . . . } Girard Washery . . . . . }	38,022 12 .		33,076 05 .		48,797 19 .		45,969 13 .		46,291 01 .		95,043 07 .		67,573 09 .		101,877 10 .		80,947 03 .	
10	West Bear Ridge Colliery . . . . . }	4,630 11		32,976 08		71,821 04		40,311 14		47,356 06		23,517 15		44,520 05		89,337 08		73,451 19	
		700,750 10		911,939 15		967,607 05		704,545 05		806,460 00		1,118,760 03		1,040,038 09		1,622,747 14		1,251,685 06	

## ANNUAL SHIPMENTS.—Continued.

	PRESENT TENANTS.	1881.		1882.		1883.		1884.		1885.		1886.		1887.		1888.	
		Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1	Philadelphia & Reading Coal & Iron Co., Hammond Colliery . . . . . } Conner . . . . . }	97,131 19 } 134,060 01 }		93,838 13 } 135,368 10 }		117,238 16 } 147,821 01 }		95,794 10 } 135,897 17 }		114,141 18 } 130,059 02 }		124,172 19 } 68,494 08 }		163,730 17 } .		158,403 10 } .	
2	Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery . . . . . }	74,752 10 }		77,514 15 }		108,304 09 }		70,704 05 }		2,422 02 }		7,946 18 }		6,532 00 }		9,844 03 }	
3	Lehigh Valley Coal Co., Packer No. 1 Colliery . . . . . }	81,563 19 }		61,469 18 }		48,503 13 }		34,172 13 }		2,032 01 }		63,692 04 }		61,097 01 }		120,513 09 }	
4	Lehigh Valley Coal Co., Packer No. 2 Colliery . . . . . } Packer No. 4 . . . . . }	126,751 04 } 200,636 07 }		98,327 02 } 218,073 09 }		111,659 12 } 225,406 19 }		128,356 03 } 206,504 02 }		83,854 04 } 206,402 14 }		. . . . . } 213,037 04 }		. . . . . } 124,514 10 }		67,592 16 } 148,751 06 }	
5	Lehigh Valley Coal Co., Packer No. 3 Colliery . . . . . }	169,978 09 }		157,986 10 }		155,528 15 }		122,182 00 }		145,164 03 }		171,662 04 }		102,067 13 }		161,247 02 }	
6	Lehigh Valley Coal Co., Continental Colliery . . . . . } North Ashland " . . . . . } Continental (and N. Ashland) . . . . . }	62,124 14 } 118,760 11 }		16,801 14 } 110,527 06 }		63,906 19 } 122,021 04 }		62,538 02 } 102,126 19 }		1,712 01 } 35,568 11 }		. . . . . } 68,816 00 }		. . . . . } 152,940 06 }		. . . . . } 157,265 19 }	
7	Susquehanna Coal Co., William Penn Colliery . . . . . }	221,869 05 }		227,859 15 }		228,098 19 }		233,157 15 }		242,114 13 }		256,944 15 }		397,848 09 }		280,675 04 }	
8	Thomas Coal Co., Kehley's Run Colliery . . . . . }	. . . . . }		79,645 07 }		115,311 15 }		110,784 17 }		106,829 09 }		116,628 05 }		133,244 11 }		120,136 19 }	
9	W. R. McTurk & Co., Girard Colliery . . . . . } Girard Washery . . . . . }	69,165 02 }		103,761 08 }		81,349 01 }		59,268 02 }		69,832 17 }		10,148 07 }		. . . . . }		894 02 }	
10	West Bear Ridge Colliery . . . . . }	63,196 18 }		70,130 16 }		72,834 03 }		45,028 15 }		10 }		4 00 }		100 10 }		20,325 16 }	
11	Knickerbocker Colliery . . . . . }	. . . . . }		. . . . . }		. . . . . }		. . . . . }		. . . . . }		348 10 }		2,806 02 }		1,803 08 }	
12	Raven Run Coal Co., Raven Run Washery . . . . . }	. . . . . }		. . . . . }		. . . . . }		. . . . . }		. . . . . }		. . . . . }		. . . . . }		. . . . . }	
		1,419,990 19 }		1,451,305 03 }		1,597,985 06 }		1,406,516 00 }		1,141,134 05 }		1,101,895 14 }		1,054,881 19 }		1,247,453 14 }	

## ANNUAL SHIPMENTS.—Continued.

	PRESENT TENANTS.	1889.		1890.		1891.		1892.		1893.		1894.		1895.		1896.	
		Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1	Philadelphia & Reading Coal & Iron Co., Hammond Colliery . . . . . Conner . . . . .	130,605 09	171,033 18	199,618 07	169,991 02	177,292 16	127,843 07	178,016 01	143,080 12								
2	Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery . . . . .	60,173 11	35,544 16	134,510 06	159,541 03	156,012 06	151,353 13	157,864 09	139,418 02								
3	Lehigh Valley Coal Co., Packer No. 1 Colliery . . . . .	129,644 15	145,199 03	101,908 18	61,011 19	162,887 10	135,330 15	179,341 07	129,005 01								
4	Lehigh Valley Coal Co., Packer No. 2 Colliery . . . . . Packer No. 4 . . . . .	48,294 15 154,893 12	89,106 17 105,642 13	110,101 15 90,237 12	147,717 09 55,948 16	77,078 01 122,597 06	87,240 05 97,769 04	110,996 18 108,729 01	114,459 08 117,478 11								
5	Lehigh Valley Coal Co., Packer No. 3 Colliery . . . . .	136,336 17	78,122 08	144,997 13	185,862 13	175,174 15	149,811 03	183,248 14	151,212 03								
6	Lehigh Valley Coal Co., Continental Colliery . . . . . North Ashland " . . . . . Continental (and N. Ashland) . . . . .	73,536 15	121,987 19	124,632 07	178,063 16	138,979 09	107,747 08	93,969 06	92,366 15								
7	Susquehanna Coal Co., William Penn Colliery . . . . .	278,722 04	280,558 11	264,315 13	219,530 17	219,371 16	262,441 13	249,224 05	211,900 17								
8	Thomas Coal Co., Kehley's Run Colliery . . . . .	109,246 01	123,998 02	120,356 16	120,368 00	110,127 11	88,258 15	85,659 12	77,443 10								
9	W. R. McTurk & Co., Girard Colliery . . . . . Girard Washery . . . . .	72,518 13	106,210 04	118,366 12	118,924 01	121,888 04	90,639 17	28,002 14	86,723 05								
10	West Bear Ridge Colliery . . . . .	91,265 12	48,263 19	22,386 12	78,015 05	81,544 09	99,827 15	114,306 05	86,723 05								
11	Knickerbocker Colliery . . . . .	5,960 08	521 13														
12	Raven Run Coal Co., Raven Run Washery . . . . .	1,399 08	6,907 08	4,504 08	461 04												
13	Philadelphia & Reading Coal & Iron Co., Kimberley Colliery . . . . .																
14	North American Coal Co., Schuylkill No. 1 Washery . . . . .																
		1,292,508 00	1,313,097 11	1,435,936 19	1,495,376 05	1,542,652 03	1,398,263 15	1,489,358 12	1,263,088 04								

## ANNUAL SHIPMENTS.—Continued.

PRESENT TENANTS.	1897.		1898.		1899.		1900.		1901.		1902.		1903.		Total.	
	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.	Tons.	Cwt.
1 Philadelphia & Reading Coal & Iron Co., Hammond Colliery . . . . . Conner . . . . .	121,255 02	131,991 16	157,448 18	134,065 04	91,732 07	44,043 10	3,836 12	117,037 09	5,811,289 10							
2 Philadelphia & Reading Coal & Iron Co., East Bear Ridge Colliery . . . . .	104,859 06	84,109 01	83,877 14	91,732 07	91,309 12	38,423 18	88,356 12	2,325,329 18								
3 Lehigh Valley Coal Co., Packer No. 1 Colliery . . . . .	98,477 19	83,324 11	218,364 03	223,452 05	248,234 17	92,803 19	208,221 10	4,000,161 13								
4 Lehigh Valley Coal Co., Packer No. 2 Colliery . . . . . Packer No. 4 . . . . .	89,622 02 147,668 15	140,958 14 140,716 11	151,869 19 51,621 06	24,234 11 11,650 11	84,959 06 25,792 08	15,261 03 59,735 05	118,190 12 112,169 13	6,956,697 02								
5 Lehigh Valley Coal Co., Packer No. 3 Colliery . . . . .	152,738 11	168,687 01	202,050 16	206,265 13	196,244 17	85,480 06	171,193 13	4,362,877 16								
6 Lehigh Valley Coal Co., Continental Colliery . . . . . North Ashland . . . . . Continental (and N. Ashland) . . . . .	104,735 17	85,034 12	20,009 19	23,238 12	116,716 00	89,180 04	143,981 03	4,412,725 04								
7 Susquehanna Coal Co., William Penn Colliery . . . . .	231,661 00	205,021 08	222,397 13	190,371 15	197,513 16	64,605 09	165,474 08	6,774,284 09								
8 Thomas Coal Co., Kenley's Run Colliery . . . . .	81,106 18	69,333 19	83,263 07	80,639 02	80,904 09	1,155 12	54,804 06	3,199,142 06								
9 W. R. McTurk & Co., Girard Colliery . . . . . Girard Washery . . . . .	17,891 11	34,027 13	24,215 00	64,518 13	20,450 02	11,110 07 15,843 10	23,543 01 51,750 16	2,229,953 02								
10 West Bear Ridge Colliery . . . . .	73,982 16	57,979 01	57,979 01	57,979 01	57,979 01	57,979 01	57,979 01	1,579,216 03								
11 Knickerbocker Colliery . . . . .								11,440 01								
12 Raven Run Coal Co., Raven Run Washery . . . . .								55,952 17								
13 Philadelphia & Reading Coal & Iron Co., Kimberley Colliery . . . . .								39,567 05								
14 North American Coal Co., Schuylkill No. 1 Washery . . . . .	1,223,999 17	1,201,184 07	1,215,028 15	1,092,337 04	4,590 18	101,587 13	106,602 07	174,087 01								
								1,515,213 14								
								42,286,773 01								



QUANTITY OF COAL SHIPPED AND GROSS INCOME DERIVED FROM COAL LEASES DURING THE TWELVE MONTHS  
COMMENCING JANUARY 1ST, 1903, AND ENDING DECEMBER 31ST, 1903.

PRESENT TENANTS.			Shipment.	Royalty.	Deferred Royalty.	Right of Way.	House Rents.	Total Income.
			Tons. Cwt.					
Phila. & Reading Coal and Iron Co., Hammond	Colliery . .		117,037 09	\$39,439 24	\$2,400 00	. . . . .	\$255 24	\$42,094 48
Phila. & Reading " "	East Bear Ridge " . .		88,356 12	25,887 81	3,600 00	. . . . .	310 80	29,798 61
Phila. & Reading " "	Kimberley " . .		30,650 13	9,737 89	. . . . .	\$28 70	. . . . .	9,766 59
Lehigh Valley Coal Co., . . . . .	Packer No. 1 " . .		208,221 10	60,553 54	2,450 07	. . . . .	497 51	63,501 12
Lehigh Valley " "	Packer No. 2 and No. 4 Collieries . . . . .		230,360 05	66,626 17	2,515 89	. . . . .	618 36	69,760 42
Lehigh Valley " "	Packer No. 3 Colliery . .		171,193 13	49,721 45	. . . . .	. . . . .	210 00	49,931 45
Lehigh Valley " "	Continental Colliery . .		143,981 03	39,630 20	2,403 24	. . . . .	212 16	42,245 60
Susquehanna Coal Co., . . . . .	William Penn Colliery . .		165,474 08	54,541 72	. . . . .	. . . . .	341 25	54,882 97
Thomas Coal Co., . . . . .	Kehley's Run Colliery . .		54,604 06	6,203 58	2,400 00	. . . . .	330 48	8,934 06
W. R. McTurk & Co., . . . . .	Girard Colliery . . . . .		75,293 17	15,861 17	. . . . .	. . . . .	. . . . .	15,861 17
Raven Run Coal Co., . . . . .	Raven Run Washery . .		55,952 17	7,767 34	. . . . .	. . . . .	. . . . .	7,767 34
North American Coal Co., . . . . .	Schuylkill No. 1 Washery,		174,087 01	24,609 59	. . . . .	. . . . .	. . . . .	24,609 59
Total . . . . .	. . . . .		1,515,213 14	\$400,579 70	\$15,769 20	\$28 70	\$2,775 80	\$419,153 40

## MINING OPERATIONS.

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THE production of coal was so curtailed during the year 1902 by the flood and strike conditions then prevailing that any comparison based upon that year is of no value, and therefore in comparing the output of each colliery the tonnage for the last year in which it worked under normal conditions will be used.

LEASE NO. I.—HAMMOND COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—This colliery commenced mining operations in 1862, when Colonel James J. Conner under a lease of Conner (now Hammond) Colliery from the City of Philadelphia, Trustee, under the will of Stephen Girard, deceased, began the first real development of the coal lands of the Girard Estate. It has shipped to market in the forty-one years since 1862, 5,811,289 $\frac{1}{2}$  tons. It is the most systematically developed colliery on the Girard Estate, the regularity of the measures facilitating this, and is now entering upon a period of increased productivity after an idleness of nearly two years.

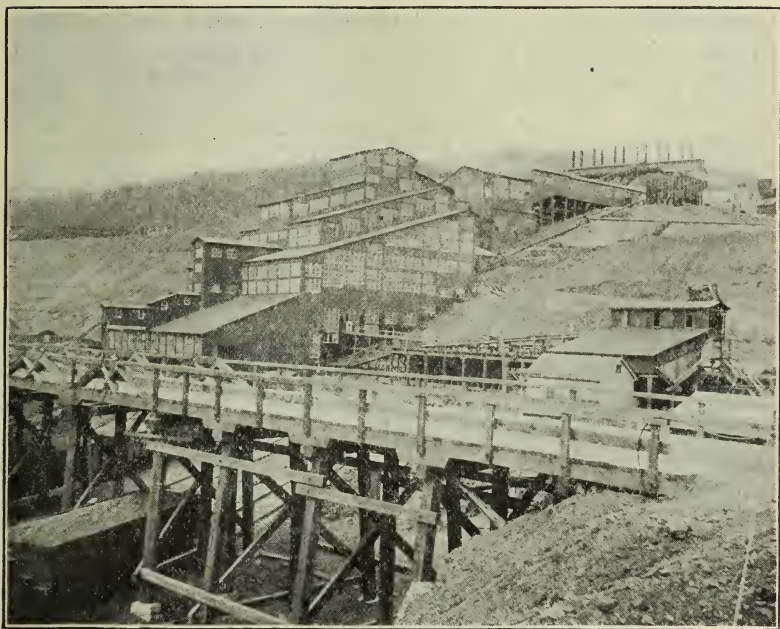
A strike of the miners stopped mining operations on May 21st, 1901, and kept the colliery idle until the end of the strike of the year following, October 23d, 1902, when the colliery was left with its third level full of water and the water standing in the second level to a height of 229 feet. The Lessee taking advantage of the idleness caused by the strike of 1901 tore down the old breaker and on September 3d, 1901, commenced the erection of a new breaker. The completion of the new breaker was not urged because the floods of December, 1901, and of February, 1902, and later the five months' strike of the miners caused the flooding of the mines and stopped all work. The second level, which is the present working level, was unwatered on March 17th, 1903. The third level was unwatered on April 10th, 1903. The work of reopening and retimbering the gangways crushed shut by the flooding of the mines was prosecuted vigorously as soon as the water had been taken out. At the same time the work of completing the breaker was pushed forward and on May 4th, 1903, it started to work.



This new breaker has a capacity of 2,000 tons of coal daily. Its frontage is 155 feet, its depth 376 feet, its height 128 feet. It is equipped with power, transportation, breaking, sizing and cleaning machinery as follows:—

Engines, one pair 12" x 48", one single 16" x 30".

Automatic car hoist to elevate loaded cars from the slope landing to the breaker dump.



NEW BREAKER, HAMMOND COLLIERY,  
Philadelphia and Reading Coal and Iron Company, Lessee.

Car dumps, two for coal, one for rock.

Rolls for breaking coal, 8 sets.

Shaking screens, 41 sets double, 4 sets single.

Jigging machines, 64 with skimming elevator buckets.

Elevators, 3 sets, 62, 63 and 75 feet.

Scrapers, 2 lines, 112 feet long, to carry the coal from under the large rolls into the main breaker; 1 line, 100 feet, to carry bony coal when broken to elevators; 1 line in 3 sections 770

feet long, to carry away refuse ; 1 line in 3 sections 600 feet long, to carry small coal to boilers.

Conveyor of rock refuse, 300 feet long, 4 feet wide.

Pockets east of breaker for loading coal to local trade, with scales at office.

A side view of the breaker with the slope landing and boiler plant is shown on page 91.

As in the case of most of the collieries on the Girard Estate, the boiler plant at Hammond Colliery has been very much improved to meet the demand for steam caused by the enlargement of its facilities for production, and to give the margin of safety proved necessary by the disastrous floods of the winter of 1901-2. The new boiler plant consists of sixteen (16) return tubular boilers of a total rated capacity of 2400 horse power. An outside improvement contemplated is a conveyor line to bring into the breaker the extensive and rich culm banks to the southwest of the plant. It is probable that the stripping of the Mammoth bed outcrop west of the breaker will be taken up in the near future. Inside three new pump houses will be constructed on the third level in the rock overlying the Buck Mountain bed, and on the same level a double track tunnel has been driven from the foot of the Buck Mountain slope to the Seven Foot bed to facilitate the handling of the coal. As the coal above the first level has been pretty thoroughly robbed out, and that on the third level is not yet sufficiently opened up, the production is almost entirely from the second level as shown in the following table :—

#### PRESENT PRODUCTION.

	Diamond Bed.	Orchard Bed.	Holmes Bed.	Mammoth Top-split Bed.	Mammoth Bed.	Buck Mountain Bed.	All Beds.
Second level .	23%	24%	1%	5%	22%	18%	93%
Third " .	..	..	..	..	5%	2%	7%
All levels .	23%	24%	1%	5%	27%	20%	100%

The gangway driven on each level and in each bed in 1903 was as follows :—

#### GANGWAY DRIVEN.

	Diamond Bed.	Orchard Bed.	Mammoth Bed.	Buck Mountain Bed.	Total.
Second level . . .	325	279	..	..	604 yards.
Third " . . .	..	..	198	107	305 "
Sump " . . .	..	..	..	52	52 "
All levels . . . .	325	279	198	159	961 yards.

In the eight months it was in operation, during all of which time some of its gangways damaged by the floods had not yet been reopened, Hammond Colliery shipped to market 117,-037 $\frac{9}{20}$  tons.

LEASE NO. 2.—EAST BEAR RIDGE COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—The testing, begun last year, of the coal measures at the western end of this lease, by pushing the gangway in the Buck Mountain bed on the slope level for 500 feet through rock and soft coal, has at last developed this vein in fair condition, and will encourage farther exploration of the same bed on the water level, and of the Mammoth bed on the slope level in this locality. The gangways driven in the Mammoth and Seven Foot beds east from the most eastern tunnel (opposite breast No. 109 in the Buck Mountain bed on the slope level) have reached the lease limit. The developments west from this tunnel have not been very promising.

Considerable coal is being won from the Buck Mountain bed on the east by counter gangways driven above the slope level. The culm banks and some stock coal on top of Bear Ridge have been prepared for market through the breaker, and have largely increased the shipments for the last five months of the year. The increase from this source is estimated to have been 17,015 tons.

The farther stripping of the Mammoth bed outcrop on top of Bear Ridge is being considered.

The present production of fresh-mined coal is from the following sources :—

	Mammoth Bed.	Seven Foot Bed.	Buck Mountain Bed.	All Beds.
Slope level . . .	44	18	38	100 per cent.

All the gangway driven was on or just above the slope level, as shown below :—

	Mammoth Bed.	Seven Foot Bed.	Buck Mountain Bed.	All Beds.
Slope level, Main gangway	220	167	172	559 yards.
Counter gangways	27	.	215	242 "
Total . . . . .	247	167	387	801 yards.

The shipments in 1903 were 88,356 $\frac{1}{2}$  tons. In 1901 they were 91,309 $\frac{1}{2}$  tons.

A lease covering the coal (estimated at 57,800 tons) in the Mammoth and Buck Mountain beds on the Thomas Paschall tract in the main Mahanoy basin, which cannot readily be mined by the present Lessee, has been negotiated with the Brookwood Coal Company, who are reopening the old Stanton Colliery, on the lands of the Gilbert and Sheaffer estate to the south, and this Company is already uncovering the Mammoth bed outcrop upon which the line between the two estates runs.

LEASE NO. 3.—PACKER NO. 1 (-5) COLLIERY.—*Lehigh Valley Coal Company, Lessee.*—Although its workings on the shaft level were not cleared of water until May 5th, 1903, and are not yet all opened up and retimbered, this colliery has made the largest shipment of any colliery on the Girard Estate, viz., 208,221 $\frac{1}{2}$  tons; not equalling, however, its shipment of 1901, 248,234 $\frac{1}{2}$  tons. The shipments for 1903 have been very materially augmented by coal from the Mammoth bed strippings and from the culm banks made by the old Colorado Colliery operation. From the latter source alone came 51,148 $\frac{1}{2}$  tons, 24.59 per cent. of the colliery production.

All the coal from this colliery has been prepared through Packer No. 4 breaker, being transported thither over the Lehigh Valley Railroad.

Plans are being made for the erection of a new breaker on this lease with a capacity of 1200 tons per day. Its erection will not be commenced before July, 1904. Improvements which have been completed are a new brick boiler house over the eight return tubular boilers placed last year, this plant now furnishing all the steam needed at the shaft and at the drift and slope, being connected with the last two by a six-inch steam line 3700 feet long, constructed in the most substantial manner; a new head frame, locomotive house, and two new fan houses, and a pair of water-hoisting engines, first motion, 26" x 72" cylinders and with conical drums, handling two tanks with a capacity of 2000 gallons each.

No special development work has been done inside except the driving of a tunnel on the slope level north from the Holmes bed, which will reach the Orchard and probably be continued to the



Diamond bed. Most of the coal came from above the slope level and but little gangway was driven, as will be noted from the following tables :—

## PRESENT PRODUCTION.

	Holmes Bed.	Mammoth Top-split Bed.	Mammoth Bed.	Seven Foot Bed.	Buck Mountain Bed.	All Beds.	
Above water level . . . . .	..	2	14	..	..	16	per cent.
Slope level . . . . .	21	3	26	2	20	72	"
Plane " . . . . .	..	..	..	4	..	4	"
Shaft " . . . . .	..	..	7	1	..	8	"
All levels . . . . .	21	5	47	7	20	100	per cent.

## GANGWAY DRIVEN.

	Mammoth Top-split Bed.	Seven Foot Bed.	All Beds.
Water level . . . . .	..	..	..
Slope " . . . . .	28	80	108 yards.
Plane " . . . . .	..	..	..
Shaft " . . . . .	..	67	67 "
All levels . . . . .	28	147	175 yards.

LEASE NO. 4.—PACKER NO. 2 AND PACKER NO. 4 COLLIERIES.—*Lehigh Valley Coal Company, Lessee.*—

PACKER NO. 2 COLLIERY.—Following the course now in vogue at nearly all the collieries on the Girard Estate, the outside plant at Packer No. 2 has been rearranged and cleaned up, and inside the pumping plant on the fourth level has been remodeled and a new pump house has been made with stone and concrete foundations housing a new pump, and on this level another pump will probably be similarly placed.

All timbers around these pump houses have been or will be replaced with iron or stone and concrete construction. Permanent dams have been built on the fourth level in all the gangways to prevent a rush of water from submerging the pumps. These dams are ingeniously built, so that while the gangway is ordinarily open for passage the dams can be quickly thrown into place and solidly braced in time of danger. A long sump gangway has also been driven on the fourth level in the Mammoth bed. Four steam



lines, each four inches in diameter, from the boilers to the second level, have given way to one eight-inch line, and two four-inch lines from the second to the fourth level have been superseded by one six-inch line. These new lines are placed in a pumpway, thus doing away with all steam lines on the slope.

The tender slope in the Mammoth bed has been continued 88 yards to a point 15 yards below the fourth level. A tunnel driven south from the Holmes gangway on the second level cut the Orchard bed in good condition, and gangways are being opened east and west in the latter bed. A plane for the handling of the culm banks was erected and put in operation early in the year, but as the demand for the smaller sizes of coal fell off, no use has been made of it since June. Prior to that time 10,054 $\frac{1}{2}$  tons had been reclaimed from the banks.

The following tables will show the sources of the present production and the amount of gangway driven for 1903.

## PRESENT PRODUCTION.

	Orchard Bed.	Holmes Bed.	Mammoth Top-split Bed.	Mammoth Bed.	Buck Mountain Bed.	All Beds.
Water level . . . .	. .	. .	. .	. .	13	13 per cent.
Second " . . . .	10	. .	. .	8	12	30 "
Third " . . . .	. .	. .	3	8	. .	11 "
Fourth " . . . .	. .	1	3	9	33	46 "
All levels . . . .	10	1	6	25	58	100 per cent.

## GANGWAY DRIVEN.

	Orchard Bed.	Mammoth Top-split Bed.	Mammoth Bed.	Buck Mountain Bed.	Total.
Water level . . . .	. .	. .	50	. .	50 yards.
Second " . . . .	47	. .	. .	73	120 "
Fourth " . . . .	. .	40	. .	78	118 "
Fourth " sump . . . .	. .	. .	43	. .	43 "
All levels . . . .	47	40	93	151	331 yards.

The coal shipped in 1903 from this colliery was 118,190 $\frac{1}{2}$  $\frac{2}{0}$  tons, as compared with 84,959 $\frac{6}{2}$  $\frac{0}{0}$  tons in 1901, an increase of 33,231 $\frac{6}{2}$  $\frac{0}{0}$  tons.

PACKER NO. 4 COLLIERY.—The large central breaker which during 1903 has prepared all the coal mined at the Packer Collieries Nos. 1 (-5), 2, 3, and 4, is now in full and successful operation. Its heaviest daily shipment was made on September 4th, when in nine hours it prepared 3,642 tons of coal. The total shipment for the year from this breaker was 609,550 $\frac{8}{2}$  $\frac{0}{0}$  tons. Of this Packer No. 4 Colliery produced 112,169 $\frac{1}{2}$  $\frac{3}{0}$  tons, which is more than its total shipment for the three preceding years taken together. Its last year of work under normal conditions was 1898, when it shipped 140,716 $\frac{1}{2}$  $\frac{1}{0}$  tons. A feature worthy of note at this colliery is the development of the small beds of coal, the Primrose, Top-split of the Holmes, Four Foot, and Seven Foot, never before worked on this side of the basin. There were 695 yards of gangway driven in these beds, and they are yielding 41 per cent. of the total production, as shown in the following tables:—

## PRESENT PRODUCTION.

	Orchard Bed.	Primrose Bed.	Holmes Top-split Bed.	Holmes Bottom-split Bed.	Four Foot Bed.	Mammoth Bed.	Seven Foot Bed.	Buck Mountain Bed.	All Beds.
Second level . . .	5	22	5	. .	11	4	. .	4	51 per cent.
Third " . . .	. .	. .	. .	22	. .	. .	3	4	29 "
Fourth " . . .	. .	. .	. .	9	. .	. .	. .	11	20 "
All levels . .	5	22	5	31	11	4	3	19	100 per cent.

## GANGWAY DRIVEN.

	Primrose Bed.	Holmes Top-split Bed.	Holmes Bottom-split Bed.	Four Foot Bed.	Seven Foot Bed.	Buck Mountain Bed.	All Beds.
Second level . . . . .	267	98	. .	285	. .	. .	650 yards.
Third " . . . . .	. .	. .	87	. .	45	. .	132 "
Fourth " . . . . .	. .	. .	67	. .	. .	14	81 "
All levels . . . . .	267	98	154	285	45	14	863 yards.

New pumps have been placed on the third and fifth levels, and the pump houses are being brought up to the high standard now adopted for such work. The connecting of this colliery with Packer No. 3 workings by tunnel is still under consideration, coupled with a plan to continue to the surface the Buck Mountain slope, which now extends from the third to the seventh level, and make it the main hoisting slope for both Packer No. 3 and Packer No. 4 coal, thus doing away with the present slope in the Mammoth bed. This plan if adopted will hold in abeyance, if it does not altogether supersede, that for a deep central shaft outlined in my report for 1902 and upon which some work had been done.

Some of the culm bank southwest of the breaker has been reclaimed during the last year, and a chute has been opened through which to handle the banks to the east whenever the demand for small sizes shall warrant it. The shipments of coal from the culm banks in 1903 amounted to 20,693 $\frac{5}{10}$  tons.

The boiler plant now consists of 10 water-tube boilers of a total rated capacity of 2,500 horse power. Two more boilers of 250 horse power each will be added, when this plant will furnish all the steam for Packer No. 3 Colliery and the boilers at the latter place will be put out of service.

LEASE NO. 5.—PACKER NO. 3 COLLIERY.—*Lehigh Valley Coal Company, Lessee*.—There has been some very systematic and thorough working out and robbing of the territory previously developed at this colliery, which reflects credit on the Lessee and the colliery officials and inures to the profit of the Girard Estate. To the east four gangways have been driven in the Seven Foot and one in the Buck Mountain bed, subdividing the lifts above the sixth level, and these beds are being very thoroughly robbed out, while on the west counter gangways for robbing have been driven in the Mammoth bed.

A model pump house has been built on the second level, absolutely fire proof, with a concrete floor, brick and stone sides, closets built into the wall, and roof of iron girders covered with T rails and sheet iron. A new pumpway has been driven from the pump house to the surface, and the old pumpway under the hoisting slope is being filled with ashes, thus strengthening the

slope. A new airway has been constructed in the Seven Foot bed and a fan placed on it. Plans are being made for opening up the Holmes and Four Foot beds west of the breaker, and the testing of the overturn of the Mammoth bed in the anticlinal between Packer No. 3 and Packer No. 4 Collieries is being considered.

As indicated above, the production has come largely from above the sixth level, where most of the gangway was driven.

PRESENT PRODUCTION.					GANGWAY DRIVEN.			
		Mammoth Bed.	Seven Foot Bed.	Buck Mtn. Bed.	All Beds.	Seven Foot Bed.	Buck Mtn. Bed.	All Beds.
No. 1	level,	3	.	.	3 per cent.	.	.	.
No. 2	"	3	12	10	25 "	.	.	.
No. 3	"	4	4	.	8 "	317	.	317
No. 3½	"	.	6	.	6 "	367	.	367
No. 4	"	2	.	13	15 "	.	.	.
No. 4½	"	.	5	.	5 "	300	.	300
No. 5	"	8	3	3	14 "	283	89	372
No. 6	"	5	.	1	6 "	.	.	.
No. 7	"	1	.	.	1 "	.	.	.
No. 8	"	.	.	.	.	.	.	.
No. 9	"	.	.	17	17 "	.	427	427
All levels .		26	30	44	100 per cent.	1267	516	1783 yards.

The coal shipped, amounting to 171,193 $\frac{13}{20}$  tons, was all prepared through Packer No. 4 breaker. The shipments in 1901 were 196,244 $\frac{17}{20}$  tons.

LEASE NO. 6.—CONTINENTAL COLLIERY.—*Lehigh Valley Coal Company, Lessee.*—As no pumping is required to keep this colliery free of water and it therefore can be kept idle at small expense, it was shut down on November 30th to allow the lessened demand for coal to be met by other collieries whose idleness would be costly. Its resumption will depend on the market. Though only in operation nine months, Continental Colliery made the heaviest shipment in its history, viz., 143,981 $\frac{3}{10}$  tons, its largest previous shipment being 116,716 tons in 1901. More gangway was driven here in 1903 than at any other colliery on the Girard Estate, viz., 2,286 yards, most of it, as usual, in the Holmes bed on the shaft level. To the west the Holmes gangways have reached the lease limit, and to the east they have been brought together by



the rise of the basin. The coal in the basin will be developed by a slope and handled with a rope-haulage system. The Buck Mountain gangway driven east from the drainage tunnel has, as was expected, been in fault most of the year, but will probably soon strike good coal. The shaft has been sunk to the level of the drainage tunnel and will be connected with it by the gangway driven in the Mammoth bed. The total depth of the shaft is 105 yards. Some stripping of the Mammoth bed outcrop is being suggested. In the first half of the year considerable coal, viz., 34,049 $\frac{13}{20}$  tons, was reclaimed from the culm banks.

The sources of production and the gangway driven are shown below :—

	PRESENT PRODUCTION.					GANGWAY DRIVEN.			
	Holmes Bed.	Mammoth Bed.	Buck Mtn. Bed.	All Beds.		Holmes Bed.	Mammoth Bed.	Buck Mtn. Bed.	All Beds.
First or shaft level,	90	. .	. .	90 per ct.		1581	. .	. .	1581 yds.
Second or drainage tunnel level . . .	. .	5	5	10 “		. .	490	215	705 “
All levels .	90	5	5	100 per ct.		1581	490	215	2286 yds.

An electric haulage system has been installed and was placed in operation on June 19th, transporting the coal mined on the lower level of Continental Colliery through Centralia drainage tunnel to the foot of Centralia Colliery slope. From this plant arc lights are also maintained in the main tunnel and at the bottom of the slope.

LEASE NO. 7.—WILLIAM PENN COLLIERY.—*Susquehanna Coal Company, Lessee.*—The development of the thinner beds of coal, first taken up at this colliery, has been continued during 1903, 80 per cent. of the gangway driven being in the Primrose, Four Foot, Skidmore, Seven Foot, and Little Buck Mountain beds, all of which were considered of doubtful value under the former lease of this colliery, at a time when a large production was easily maintained from the thicker and more readily worked Mammoth, Buck Mountain, and Holmes beds. Of these latter beds the Mammoth is now being mined by rock holes from the gangways in the Skidmore bed, and the Holmes by rock holes from the Four Foot bed, which lies very close to it at the western end of the lease. The testing of the Seven Foot bed has, as in former years, not been encouraging, but it has not yet been given



up, and it is hoped that near the eastern lease limit this bed will be found in workable condition, as it is on the lands adjoining the Girard Estate on that side.

The connecting of the new shaft with the gangways on all the levels has now been accomplished, a tunnel 70 yards in length having been driven to the Skidmore bed on the third or old No. 2 slope level, and the sump tunnel below the fourth level having been continued to the Buck Mountain bed during the past year. The total length of the sump tunnel is 107 yards. The making of these connections has permitted the abandonment of the old shaft, of the two slopes in the Mammoth bed, and of the long slope in the Buck Mountain bed. Much coal which had to be left unmined to support these openings can now be mined and removed.

Some of the gangways closed by the flood of December 14th, 1901, have only recently been reopened, and practically no coal was mined below the second level. Some coal is still being won by stripping, and it is hoped that this form of mining may be pushed even farther during the coming year.

The development of the Orchard bed on the first level, of the Primrose bed on the second level, and of the Buck Mountain bed below the fourth level, is contemplated.

Upon the surface an oil house, a warehouse, a blacksmith and machine shop, and a carpenter shop have been built, and the outside plant in general has been maintained in good condition. A car hoist for handling the empty cars between the foot of the breaker plane and the head of the shaft was put in operation in March.

The coal shipped in 1903 was  $165,474\frac{8}{10}$  tons, coming from the following sources :—

## PRESENT PRODUCTION.

	Primrose Bed.	Holmes Bed.	Four Foot Bed.	Mammoth Top-split Bed.	Mammoth Bed.	Skidmore Bed.	Buck Mountain Bed.	Little Buck Mountain Bed.	All Beds.	
Above water level,	. .	. .	1	. .	14	7	. .	3	25	per cent.
First level . . .	14	. .	5	2	4	1	3	7	36	"
Second " . . .	. .	3	8	3	5	. .	3	. .	22	"
Third " . . .	. .	. .	. .	. .	. .	. .	. .	. .	. .	
Fourth " . . .	. .	. .	. .	. .	. .	. .	17	. .	17	"
All levels . .	14	3	14	5	23	8	23	10	100	per cent.

## GANGWAY DRIVEN.

	Primrose Bed.	Holmes Bed.	Four Foot Bed.	Skidmore Bed.	Seven Foot Bed.	Buck Mountain Bed.	Little Buck Mountain Bed.	All Beds.
Above water level . . .	. .	. .	. .	166	33	. .	55	254 yards.
First level . . . .	382	. .	. .	255	. .	233	291	1161 "
Second " . . . .	. .	92	333	167	. .	. .	. .	592 "
Third " . . . .	. .	. .	. .	. .	. .	. .	. .	. .
Fourth " . . . .	. .	. .	. .	. .	. .	85	. .	85 "
All levels . .	382	92	333	588	33	318	346	2092 yards.

A thin wedge of Mammoth bed coal along the eastern line of this lease and contiguous to coal on the Gilbert and Sheaffer Estate now being stripped by the Philadelphia and Reading Coal and Iron Company, has been leased to that company with the consent of the lessee of William Penn Colliery. The coal in this wedge is estimated to be about 4,000 tons, of which  $2,755\frac{1}{10}$  tons were shipped in 1903 and are included in the tonnage credited to William Penn Colliery.

LEASE NO. 8.—KEHLEY'S RUN COLLIERY.—*Thomas Coal Company, Lessee.*—The new breaker, adapted to the preparation of coal both from the mines and culm banks, commenced in October, 1902, was completed early in 1903 and began running experimentally on material from the culm bank on March 18th, 1903.

The breaker has a width of 64 feet 6 inches and a depth of 99 feet main building and 225 feet to landing platform. Its nominal capacity is 600 tons daily. The breaker engine is a double 18" x 36".

The breaker contains the following machinery:—

Crushing rolls, 6 sets.

Shaking screens, 7 sets double ; 1 set single.

Spiral slate pickers, 5.

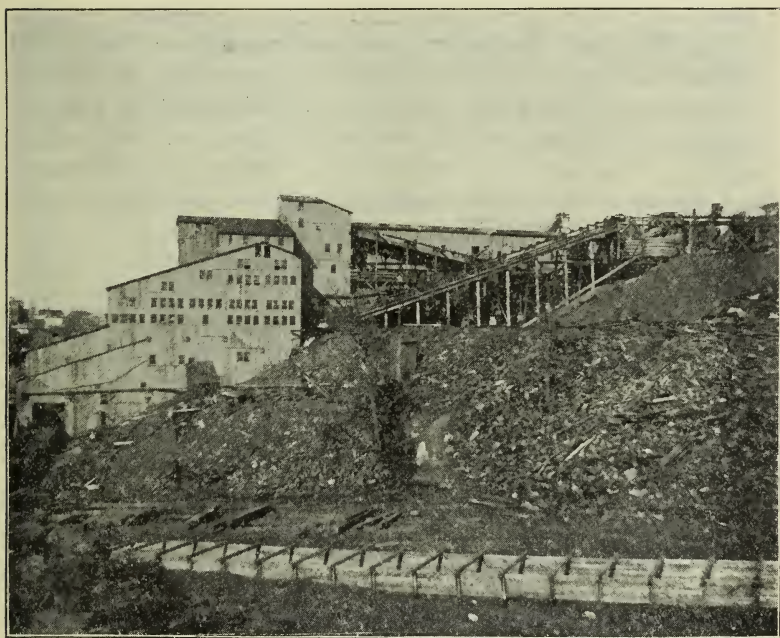
Jigging machines, 4.

Elevators, 2 sets.

Scrapers, 1 line 50 feet to carry screenings from the loading lip screens to elevators ; 1 set of three sections, 265 feet, 250 feet,

and 160 feet long, to carry culm from banks to breaker ; 1 line 200 feet to carry large refuse from breaker to rock road at top of breaker ; three sections, 385 feet, 300 feet, and 190 feet, for delivering boiler fuel ; 1 set of three sections, 65 feet, 300 feet, and 300 feet, to carry fine refuse up to the slush banks northwest of the breaker.

Slush pockets, 6, to catch small refuse and prevent it going into streams.



NEW BREAKER, KEHLEY'S RUN COLLIERY,  
Thomas Coal Company, Lessee.

Automatic car hoist to elevate empty cars after being dumped into breaker to road graded to carry them by gravity back to slope.

A side view of Kehley's Run Colliery breaker with scraper lines is shown in the print on this page. The print also shows in the foreground the flume built in 1902 to confine and carry Keh-

ley's Run creek and prevent a recurrence of the injury to the colliery such as resulted from the floods of the winter of 1901-2. All of the old buildings, including the framework of the cleaning house at the head of the No. 2 slope, the coal storage house, and the dirt-plane trestle, have been removed, very much improving the appearance of the colliery. Four return tubular boilers with a nominal capacity of 150 horse power each have been erected during 1903, and four more will be added in the coming year, when the upper boiler plant of 12 cylinder boilers will be abandoned.

The mines were freed from water on June 25th, but were not cleared of *débris* and silt and placed in a condition for mining operations until late in the year, and no fresh-mined coal was run through the breaker until November. During the whole year, however, some coal was mined from a drift on the Mammoth bed outcrop at the western end of the lease and prepared through a small breaker erected there. This plant will be continued in operation during the coming year and its output increased by the stripping of the Mammoth coal at this point. The colliery output for 1903 was  $54,604\frac{6}{10}$  tons, of which  $47,740\frac{7}{10}$  tons came from the culm banks.

LEASE NO. 9.—GIRARD COLLIERY.—*W. R. Mc Turk & Co., Lessee.*—The coal shipped to market from this lease in 1903 amounted to  $75,293\frac{17}{10}$  tons, as compared with  $64,518\frac{13}{10}$  tons in 1900, an increase of  $10,775\frac{4}{10}$  tons, and forms the heaviest shipment made from this colliery since the Philadelphia and Reading Coal and Iron Company terminated its lease in 1895. Of the present shipments 68.69 per cent. is estimated to be from the culm banks, in sizes and percentages as follows:—

Sizes.	Tons.	Cwt.	Per cent.
Egg . . . . .	169	15	0.33
Stove . . . . .	1,403	17	2.71
Chestnut . . . . .	4,691	06	9.06
Pea . . . . .	16,725	06	32.32
Buckwheat . . . . .	16,951	15	32.76
Rice . . . . .	11,808	17	22.82
Total . . . . .	51,750	16	100.00



A steam shovel was put in operation on January 7th, since which date all the bank material has been handled and loaded into cars by it and hoisted by a plane into the breaker. The opening of the Holmes and Buck Mountain beds has been continued, from both of which good results have been obtained. Not much coal has been mined from the Mammoth bed, but the outcrop of this bed on the north side of the basin to the west of the slope has been stripped and the coal will soon be available.

A new water-level tunnel is being driven to improve the drainage, at present accomplished through the tunnel driven in the early '60's, and now, with its connecting gangway, difficult to keep open. The coal mined will also be brought out through this new opening instead of being hoisted by the slope.

The sources of present production of mine coal and the gangway driven during the year are as follows :—

## PRESENT PRODUCTION.

	Holmes Top-split Bed.	Holmes Bottom-split Bed.	Mammoth Bed.	Buck Mountain Bed.	All beds.
Water level . . . . .	11	6	4	79	100 per cent.

## GANGWAY DRIVEN.

	Holmes Top-split Bed.	Holmes Bottom-split Bed.	Mammoth Bed	Buck Mountain Bed.	All Beds.
Water level . . . . .	135	92	49	373	649 yards.

LEASE NO. 10.—WEST BEAR RIDGE COLLIERY.—*Vacant.*—Overtures looking to the working on a small scale of the outcrop coal on this lease have been made by several parties during the past year. More than 70 per cent. of the original coal content of this lease still remains unmined.

LEASE NO. 11.—KNICKERBOCKER COLLIERY.—*Vacant.*—There is a small piece of Buck Mountain bed outcrop coal on the John Barber tract which, lying at some distance from the active coal operations on the Girard Estate and being exposed to depredations by occupants of nearby houses, it may be well to have mined in the near future.



LEASE NO. 12.—RAVEN RUN WASHERY.—CULM BANKS ON THE JOHN ALEXANDER TRACT.—*Raven Run Coal Company, Lessee.*—The lease of these banks to Madeira, Hill & Co., which expired on July 31st, 1903, has been renewed for a term of five years and five months, ending December 31st, 1908, to Raven Run Coal Company, successor to the former lessees. The shipments from this washery have been curtailed during part of the year by the lessened demand for small sizes of coal, and during the last two months all production has been suspended while a new plane has been building. The material from the culm banks has heretofore been carried up into the breaker by a conveyor line, to the foot of which it is washed in sheet-iron troughs, as shown in the illustration on page 107. This will now be dispensed with and the culm will be loaded into mine cars by a steam shovel and hoisted on the plane mentioned above. This system will facilitate the cleaning up of the banks close to the surface of the ground. The whole plant is being much enlarged and improved.

In spite of the short time worked, the shipments in 1903, viz. : 55,952 $\frac{17}{10}$  tons, were greater than in any previous year. This production was made up of sizes as follows :—

Sizes.	TONS.	CWT.	
Chestnut . . . . .	5,390	14	9.64 per cent.
Pea . . . . .	10,084	04	18.02 “
Buckwheat . . . . .	22,157	14	39.60 “
Rice . . . . .	18,320	05	32.74 “
Total . . . . .	55,952	17	100.00 per cent.

LEASE NO. 13.—KIMBERLEY COLLIERY.—*Philadelphia and Reading Coal and Iron Company, Lessee.*—All the coal shipped from this lease in 1903, viz., 30,650 $\frac{13}{10}$  tons, came as heretofore from the Buck Mountain bed, in which 473 yards of gangway were driven. The east gangway has reached the lease limit and the west gangway has crossed the line running diagonally east and west between the Girard Estate and the Gilbert and Sheaffer lands, so that the exhaustion of this bed on this lease is not far distant. A proposed stripping of the Mammoth bed outcrop to the east will, however, materially lengthen the life of the lease. The total shipments from this lease to date have been 40,282 $\frac{18}{10}$  tons.

LEASE NO. 14.—SCHUYLKILL NO. 1 WASHERY.—CULM BANKS DEPOSITED UNDER FORMER LEASE OF WILLIAM PENN COLLIERY.—*North American Coal Company, Lessee.*—This washery, as usual, worked steadily throughout the year, though not more so than did three of the collieries. It also, as usual, made a large shipment, amounting to  $174,087\frac{1}{10}$  tons, which is exceeded only by that of Packer No. 1 (-5) Colliery among all the operations on the Girard Estate. Its output for each nine hours worked during the year was 661 tons.



HYDRAULIC MINING OF CULM BANKS OF FORMER LEASE OF WILLIAM PENN COLLIERY—SCHUYLKILL NO. 1 WASHERY.

*North American Coal Company, Lessee.*

The quantities and percentages of the sizes which make up this tonnage are:—

Sizes.	Tons.	Cwt.	Per Cent.
Stove coal . . . . .	8,400	18	4.83
Chestnut " . . . . .	17,082	11	9.81
Pea " . . . . .	25,472	17	14.63
Buckwheat " . . . . .	63,321	17	36.38
Rice " . . . . .	48,514	13	27.87
Barley " . . . . .	11,164	11	6.42
Culm " . . . . .	129	14	.06
Total . . . . .	174,087	01	100.00

The banks are being very thoroughly cleaned up as the work progresses. As shown above, they yield an unusual proportion of large coal. Four conveyor lines of an aggregate length of 1,080 feet are used in bringing the material to the foot of the elevator tower. Here an auxiliary screening plant, consisting of a set of rolls and a shaking screen, has been placed, in which the coarse material is ground up and partially sorted and picked before it goes into the washery proper. Two tubular boilers of a rated capacity of 150 horse power each have been added to the steam plant. The hydraulic mining of the culm banks, breaking down the banks by streams of water thrown with considerable force from lines of hose, is shown in the illustration on page 63.

**TIMBER LEASES AND FOREST FIRES.**—But a small amount of timber was cut in 1903 from the Cochran, Chapman, Donaldson, and Gibson tracts under the lease to Mrs. Andrew Faust and Brother. The stumpage amounted, for the twelve months ending December 31st, to only \$83.34.

Forest fires occurring on six different days in April and May burned over 4,268 acres, covering parts of 26 warrantee tracts on the Girard Estate, and destroyed timber estimated to be worth \$5,636.25. No method which shall be effective and yet not too expensive to be practicable, has been devised for preventing these fires.

**SURFACE LOT AND FARM LEASES AND MISCELLANEOUS SALES OF STONE, SAND, &C.,** brought an income of \$12,650.22.

The present farm acreages and the tenants occupying the farms in the Catawissa Valley are as follows:—

Farm.	Acres Leased.	Acres Cultivated.	Tract.	Farm Tenant.
No. 1	100	52	Joseph Evans	Peter C. Barron.
No. 2	119	69	Thomas Davison	William Yates.
No. 3	111	74	Joseph Evans	Charles Borlace.
No. 4	108	72	Joseph Evans	Theodor Wewer.
No. 5	117	55	Joseph Evans	Walter G. Lemon.
No. 6	113	54	Thomas Davison	Vacant.
No. 7	55	21	Isaac Norris	William H. Sell.

No land was sold during 1903.

**WATER MAINS.**—Two new water mains, both 6 inches in diameter, have been laid during the past year. One, 821 feet in length, replaced the 4-inch line laid from a point in the grounds of Assistant Superintendent Wagner, at Girardville, north and west to the west line of the John Alexander tract, connecting there with a new 6-inch line laid by the Philadelphia and Reading Coal and Iron Company, and thus giving an increased water supply to Bast Colliery. This line was finished in April. The other line taps at Packer No. 2 village the 8-inch main coming from No. 1 Reservoir, runs south across the valley, and connects with the old 4-inch line laid through west William Penn village, thus supplying the houses there and relieving the 6-inch line which supplies Packer No. 4 and William Penn Collieries and Schuylkill No. 1 Washery. This new line is carried over Shenandoah Creek by an iron bridge of 26 feet span. The length of this line is 1,665 feet, making the total length of pipe now laid on the Girard Estate 54,661 feet, or  $10\frac{1}{8}$  miles.

The water mains in general have been maintained at a comparatively light expense, as there have been no heavy floods nor especial disturbance of the surface by mining operations.

**ROADS.**—The roads in West Mahanoy Township, which are kept in repair under the Act of June 12th, 1893, by the City of Philadelphia, Trustee, as the largest taxpayer in that township and representing the other large taxpayers, have been placed and kept in good condition. The old and very dilapidated and inadequate bridge, or, rather, timber culvert, east of Packer No. 2 Colliery, was replaced with an iron bridge on very substantial stone abutments. The roadway was also raised at this point, making a more even grade.

That part of the road from Shenandoah to Ringtown, leading up the mountain from the former place to the cemeteries on the James McNeal tract, has been relocated on a more uniform and even grade. It was almost ready to be opened when the early cold weather put an end to further construction. It will be completed in the Spring.

**TAXES.**—The tax levy for 1903 has been about the same as in 1902, the total taxes levied upon the property of the City of Philadelphia in Schuylkill and Columbia Counties being somewhat



increased for the year 1903. The levy for county purposes is the same as in 1902, being 6 mills.

The number of mills levied for each purpose, namely, to meet the expenses of county administration, of public schools, of public roads, and of poor houses and outdoor relief, of each township and borough for the year 1903, and the totals of this and the preceding year, are shown in the following table :—

Township or Borough.	County.	School.	Borough or Road.	Poor.	1903. Total Mills.	1902. Total Mills.
Butler . . . . .	6 mills.	15 mills.	7 mills.	. . . . .	28	29
Delano . . . . .	6 "	15½ "	6 "	. . . . .	27½	23½
Gilberton . . . . .	6 "	13 "	10 "	. . . . .	29	29
Girardville . . . . .	6 "	21 "	7 "	. . . . .	34	30
Kline . . . . .	6 "	20 "	19 "	. . . . .	45	48
Mahanoy . . . . .	6 "	8 "	2½ "	. . . . .	16½	16 <sup>85</sup> <sub>100</sub>
West Mahanoy . . . . .	6 "	13 "	5 <sup>7</sup> <sub>10</sub> "	. . . . .	24 <sup>7</sup> <sub>10</sub>	23
Shenandoah . . . . .	6 "	16¼ "	13 "	. . . . .	35¼	35¼
East Union . . . . .	6 "	7 "	11 "	. . . . .	24	31
Union . . . . .	6 "	5 "	8 "	. . . . .	19	21
Conyngham . . . . .	4 "	15½ "	8 "	16 mills.	43½	45
Roaring Creek . . . . .	4 "	3 "	10 "	½ mill.	17½	17½

The total taxes levied at the foregoing rates upon the Girard Estate valuation amounted to \$43,594.04 in 1903.

Very respectfully yours,

HEBER S. THOMPSON,  
*Engineer Girard Estate.*

POTTSVILLE, PA., December 31st, 1903.



## APPENDIX C.

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### REPORT

OF

## THE GIRARD WATER COMPANY

FOR THE YEAR 1903.

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### BOARD OF DIRECTORS.

LOUIS WAGNER, *President.*

JOHN H. CONVERSE,  
DALLAS SANDERS,

JOHN K. CUMING,  
EDWIN S. STUART.

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### OFFICERS

*Secretary* . . . . . GEORGE E. KIRKPATRICK, Philadelphia.

*Treasurer* . . . . . FRANK M. HIGHLEY, Philadelphia.

*General Manager* . . . HEBER S. THOMPSON, Pottsville.

*Superintendent* . . . . EMIL C. WAGNER, Girardville.

*Solicitor* . . . . . SAMUEL H. KAERCHER, Pottsville.

# GIRARD WATER COMPANY.

## GENERAL MANAGER'S REPORT.

MESSRS. LOUIS WAGNER, *President*, and JOHN H. CONVERSE, DALLAS SANDERS, JOHN K. CUMING, EDWIN S. STUART, *Directors, of the Girard Water Company.*

GENTLEMEN :—Providing and maintaining a water supply in a mining district like that covered by the charter of the Girard Water Company is attended by difficulties which are peculiar to it and not met with in an agricultural or ordinary industrial district. In the latter the greater the rainfall the more abundant the water supply without accompanying inconvenience, or if the rainfall is greater than needed and the water superabundant, its surplus flows away without special embarrassment. In the anthracite region, where coal mining is now in progress at depths a thousand feet or more below the surface, and with the ground at the surface broken by outcrop breaches, with openings from the breaches to the lowest levels, carrying the greater proportion of the rainfall to the deepest parts of the mines, the hoisting of this water (now contaminated by sulphuric acid and iron and unfit for steam or domestic use) constitutes the greater part of the burden of mining operations, and requires more steam and consequently more pure water than all the mining, hoisting, cleaning, preparing and shipping of coal.

In ordinary coal mining, where the operations have extended to several lifts below the surface, seven tons of water are hoisted to each ton of coal. In extraordinary seasons of rain and flood the proportion of water is greater, reaching twelve and fifteen tons of water pumped and hoisted to each ton of coal hoisted.

An abundant supply of pure water for generating steam is therefore absolutely essential to the development and working of a mining property like that of the Girard Estate in Schuylkill County, and it has been most fortunate for that estate that an adequate water supply was found and secured so advantageously located for supplying water to this territory.

Lying on the top of North Mahanoy Mountain, the head waters of Lost Creek and Raven Run rise and flow for several miles at an elevation of 1600 feet above mean tide, with adequate fall to carry the water by gravity to any colliery in the district. The ability of the Company to run its water by gravity with no expense for pumping to any part of its district, has enabled it to furnish water to collieries at a sufficiently low rate to permit them to use water freely and without stint, and without its cost being in any way an embarrassment to mining operations. The advantage thus accruing to the Girard Estate and to its colliery lessees is inestimable.

Without the fortunate conditions of water near at hand, in abundance and on ground high enough to admit of its being carried everywhere by gravity, the disadvantages under which the coal on the Girard Estate would have to be mined might have seriously hampered the operations of its collieries.

In three instances, east and west of the territory of the Company, water for domestic use and for steam for mining purposes is required to be lifted by pumps from seven to nine hundred feet vertically over the same mountain on which the Company's reservoirs are located. The lifting of water to this great height requires large and very heavy pumps, the running of which with expert attendance and fuel for boilers is expensive, even without the renewals which are necessitated periodically.

The rate charged for water by one of these corporations is from three to five times that charged by the Girard Water Company. The Girard Water Company charges five cents per thousand gallons (5c. per M gallons) for a million gallons of water a month. If more than a million gallons a month are used, the rate upon the excess is ten cents per thousand gallons. The average gross price received for all water sold by the Company during the year 1903 was eight and sixty one-hundredths cents per thousand gallons.

The average gross price received, for each of the thirteen years from 1891 to 1903, was :—

In 1903 . . . . .	8.60	cents	for	each	thousand	gallons.
" 1902 . . . . .	8.72	"	"	"	"	"
" 1901 . . . . .	8.35	"	"	"	"	"
" 1900 . . . . .	7.97	"	"	"	"	"
" 1899 . . . . .	8.06	"	"	"	"	"

In 1898 . . . . .	8.00	cents for each	thousand gallons.
" 1897 . . . . .	7.73	"	"
" 1896 . . . . .	7.72	"	"
" 1895 . . . . .	7.79	"	"
" 1894 . . . . .	7.49	"	"
" 1893 . . . . .	8.04	"	"
" 1892 . . . . .	8.23	"	"
" 1891 . . . . .	8.35	"	"

The greater part of the water supplied by the Girard Water Company is used for maintaining the special industry of the region, the mining and preparation of anthracite coal. The towns and villages of the district take for domestic use a much smaller quantity, viz., about one-third that taken for colliery use, while the electric and steam railways take a still less quantity, viz., about one-sixth that taken for domestic use. The quantities taken for these different uses in the year 1903 were as follows:—

For Colliery use . . . . .	263,029,823	gallons	71	per cent.
" Domestic " . . . . .	94,459,064	"	25	"
" Railroad " . . . . .	14,235,236	"	4	"

The collieries use an average of 2,035,805 gallons a month each, and the washeries an average of 1,198,969 gallons a month each. Certain collieries, however, show a much larger quantity used than the average, because of the greater depth and extent of their underground workings and because of the concentration of steam production for several collieries in one plant at one colliery.

The quantities supplied to each colliery, washery, railroad company, borough and village for the year 1903 and for the year 1902 were as follows:—

	1903.	1902.
To William Penn Colliery . .	51,479,476 gallons.	38,624,348 gallons.
" Hammond " . .	38,450,192	25,488,100
" Bast " . .	35,983,282	21,291,236
" Packer No. 4 " . .	35,261,468	63,740,820
" Schuylkill No. 1 Washery .	29,635,760	15,984,012
" Packer No. 1 Colliery (shaft)	21,054,992	10,224,412
" Preston No. 2 " . .	12,000,000	12,000,000
" Draper " . .	12,000,000	12,000,000
" Girard Washery . . .	8,069,424	2,806,496
" Packer No. 2 Colliery . .	6,776,132	29,035,864
" Raven Run Washery . .	5,457,696	2,227,544
" Packer No. 1 Colliery (slope)	3,309,149	5,650,392
" Packer No. 3 " . .	3,060,816	2,557,412
" Central Pennsylvania Quarry Stripping and Construction Co. . . .	491,436	.. . . .

Total for colliery use . .	263,029,823 gallons.	241,630,636 gallons.
	71 %	71 %

To Schuylkill Traction Co. . .	9,022,376 gallons.	6,582,400 gallons.
“ Lehigh Valley Railroad Company . . . . .	4,574,816 “	2,071,344 “
“ Philadelphia & Reading Railway Co. . . . .	638,044 “	. . . . . “
Total for railroad use .	14,235,236 gallons. 4 %	8,653,744 gallons. 3 %
To Girardville Borough . . .	54,109,572 gallons.	55,126,104 gallons.
“ William Penn Village . . .	18,000,000 “	18,000,000 “
“ Shenandoah Citizens' Water and Gas Company . . .	8,082,140 “	8,556,372 “
“ Moran & Cuff, Connerton .	5,268,912 “	1,607,452 “
“ Michael A. Noone, West Lost Creek . . . . .	4,243,404 “	3,579,928 “
“ L. V. C. Co., houses at Lost Creek . . . . .	3,334,584 “	1,677,764 “
“ William Parfitt <i>et al.</i> , East Lost Creek . . . . .	983,620 “	1,243,924 “
“ James F. Gallagher <i>et al.</i> , North Lost Creek . . .	436,832 “	394,944 “
Total for domestic use .	94,459,064 gallons. 25 %	90,186,488 gallons. 26 %
Total to all consumers .	371,724,123 gallons, 100 %	340,470,868 gallons. 100 %

Throughout the year the demand for water has been large because of the exceptionally steady work by all the collieries, and more uniform than usual for the same reason and because of the absence of flood and drouth. The largest monthly consumption was 36,084,244 gallons, that of May, and the smallest 26,194,424, that of October.

The quantities supplied monthly in 1903 and 1902 were:—

	1903.	1902.
In January . . . . .	34,081,333 gallons.	38,225,716 gallons.
“ February . . . . .	31,408,444 “	33,175,968 “
“ March . . . . .	32,809,448 “	37,461,260 “
“ April . . . . .	30,272,232 “	34,210,452 “
“ May . . . . .	36,084,244 “	28,106,024 “
“ June . . . . .	30,459,980 “	16,278,648 “
“ July . . . . .	26,316,856 “	23,163,988 “
“ August . . . . .	31,384,508 “	23,244,772 “
“ September . . . . .	31,337,384 “	22,104,072 “
“ October . . . . .	26,194,424 “	23,040,568 “
“ November . . . . .	29,650,297 “	31,757,144 “
“ December . . . . .	31,724,973 “	29,702,256 “



The quantity of water furnished in the twenty years which cover the period from the incorporation of the Company to this date is 3,871,520,317 gallons. The quantities supplied each year of the twenty years' life of the Company have been as follows:—

In the twelve months to December 31, 1884	92,848,023	gallons.
" " " " " 1885	149,350,286	"
" " " " " 1886	123,716,803	"
" " " " " 1887	81,318,299	"
" " " " " 1888	102,205,751	"
" " " " " 1889	103,896,900	"
" " " " " 1890	122,503,850	"
" " " " " 1891	125,115,998	"
" " " " " 1892	170,985,664	"
" " " " " 1893	191,642,967	"
" " " " " 1894	219,485,513	"
" " " " " 1895	225,386,086	"
" " " " " 1896	187,436,786	"
" " " " " 1897	211,624,474	"
" " " " " 1898	217,984,908	"
" " " " " 1899	240,222,970	"
" " " " " 1900	287,858,147	"
" " " " " 1901	305,741,901	"
" " " " " 1902	340,470,868	"
" " " " " 1903	371,724,123	"

Total quantity of water supplied in 20 years 3,871,520,317 gallons.

The reservoirs were full on the first day of January and are again within 26,397,045 gallons of being full on this the thirty-first day of December, 1903. At times during the year the quantity of water stored was reduced, but at no time to a less quantity than 130,000,000 gallons, sufficient to furnish a full supply for three months.

The quantity of water stored in the reservoirs on the last day of each month and the rainfall during the same month were as follows:—

Rainfall During Month.	Quantity of Water Stored in Reservoirs.
January . . . 4.28 inches.	January 31 . . 177,029,903 gallons.
February . . . 5.86 "	February 28 . . 177,029,903 "
March . . . 4.72 "	March 31 . . 177,029,903 "
April . . . 4.23 "	April 30 . . 177,029,903 "
May . . . 2.28 "	May 31 . . 147,819,220 "
June . . . 7.95 "	June 30 . . 159,449,364 "
July . . . 6.19 "	July 31 . . 177,029,903 "
August . . . 5.15 "	August 31 . . 150,114,110 "
September . . 3.05 "	September 30 . . 131,923,109 "
October . . . 6.75 "	October 31 . . 159,269,189 "
November . . 1.87 "	November 30 . . 155,522,965 "
December . . 4.83 "	December 31 . . 150,632,858 "

The total rainfall of the year 1903 is  $57\frac{16}{100}$  inches. The yearly average of the previous sixteen years, according to the record kept at the reservoirs, was  $54\frac{50}{100}$  inches. The rainfall of the year 1903 is therefore  $2\frac{66}{100}$  inches, or  $4\frac{88}{100}$  per cent. above the normal or average of the previous sixteen years.

The monthly and annual rainfall of the seventeen years from 1887 to 1903, inclusive, during which a record has been kept at the reservoirs, and the monthly and annual average for this period, are as follows—

	1887.	1888.	1889.	1890.	1891.	1892.	1893.	1894.	1895.
January . . . . .	5.03	3.50	3.80	2.94	8.74	8.46	4.09	2.72	3.82
February . . . . .	5.32	3.45	1.66	4.56	4.36	1.46	7.00	5.52	1.54
March . . . . .	1.32	4.35	2.77	5.25	4.08	7.60	4.82	1.13	2.80
April . . . . .	3.13	3.29	7.23	4.40	3.54	1.77	3.58	5.43	4.91
May . . . . .	3.65	7.08	6.93	12.41	1.80	4.95	8.51	12.69	3.33
June . . . . .	6.52	6.50	8.01	4.56	3.70	7.62	2.17	1.79	2.77
July . . . . .	3.51	3.34	9.46	6.36	9.64	4.35	4.87	2.50	2.73
August . . . . .	8.79	8.58	6.03	6.48	9.47	2.56	4.11	1.47	4.69
September . . . . .	3.41	8.18	6.50	4.51	1.99	3.42	3.10	5.74	2.69
October . . . . .	1.16	4.83	4.41	6.24	3.77	0.41	3.87	7.66	3.47
November . . . . .	1.98	4.90	10.16	1.67	5.12	4.70	3.57	2.99	2.71
December . . . . .	4.91	4.62	3.31	4.65	6.23	2.02	3.23	4.75	4.65
Year . . . . .	48.73	62.62	70.27	64.03	62.44	49.32	52.92	54.39	40.11

	1896.	1897.	1898.	1899.	1900.	1901.	1902.	1903.	Average Seventeen Years.
January . . . . .	1.39	2.59	5.43	2.76	2.65	2.48	4.22	4.28	4.30 inches
February . . . . .	6.40	3.46	1.77	6.69	5.63	1.03	6.45	5.86	4.51 "
March . . . . .	6.00	2.89	4.26	4.85	5.50	5.68	6.39	4.72	4.65 "
April . . . . .	1.88	3.77	4.21	2.02	.94	2.52	3.57	4.23	3.78 "
May . . . . .	2.23	8.27	6.33	3.53	1.29	5.59	1.31	2.28	5.76 "
June . . . . .	5.14	4.17	2.38	5.40	3.70	1.39	7.76	7.95	5.10 "
July . . . . .	11.30	5.58	4.84	4.99	6.96	3.21	5.02	6.19	5.93 "
August . . . . .	1.28	2.64	11.32	7.40	4.77	12.05	2.83	5.15	5.60 "
September . . . . .	3.26	2.48	1.14	6.65	1.22	4.20	8.44	3.05	4.37 "
October . . . . .	5.55	1.98	6.18	1.02	3.32	2.81	6.92	6.75	4.40 "
November . . . . .	8.05	6.12	5.00	2.63	3.77	2.51	1.60	1.87	4.33 "
December . . . . .	1.20	5.92	3.02	4.19	3.03	7.87	7.04	4.83	4.72 "
Year . . . . .	53.68	49.87	55.88	52.13	42.78	51.34	61.55	57.16	57.45 inches

The water plant continues in the same good condition as at the date of my report a year ago. The reservoirs, viz.:—

Reservoir No.	1	2	3	4
Depth of Water	8.0 feet	23.4 "	28 "	27.3 "
Water Area.	0.25 acres	8.55 "	18.31 "	21.90 "
Capacity.	400,000 gallons	29,956,785 "	73,092,228 "	73,580,890 "
Build.	1879	1880-81	1884-85	1893

with a capacity of 177,029,903 gallons,

have required no repairs excepting to the riprap on the inside slope of Reservoir No. 4, which was lifted and settled out of its line of slope at the overflow water line by ice, by the wave motion of the water and by the rising and falling of the surface line in filling and drawing upon it. The cottages at Reservoirs No. 3 and No. 4, occupied by the reservoir watchmen, were repainted, the

timber and sheet-iron roofs of the gate houses of Reservoirs Nos. 2, 3 and 4, which were not as tight as desired and required repair, were replaced by arched brick and cement roofs which will be indestructible and prevent the entrance of frost.

The stone wall, intended eventually to enclose the whole watershed of Lost Creek stream, of which a mile and three-quarters was built in 1902, was extended this year to completely enclose the part of the Lost Creek watershed west of the Ringtown Road. The wall built this year was nearly a mile and three-quarters in length (exactly 9040 feet) and is of the same character as that built the previous year, five feet in height, two and a half feet in thickness on the bottom, one foot and a half in thickness at the height of four feet, with capstones one foot in depth and height set on edge and laid on a slant. The wall was built under contract and cost one dollar and twenty-five cents per lineal yard. The proposed erection next year of two miles more of this wall east of the Ringtown Road will enclose the whole watershed and afford protection against the deposit of refuse, which at one time caused us so much anxiety, and against the entrance of fire into the tree plantation.

The cultivation of a second growth of forest timber, to which much consideration has been given for twenty-three years by the Directors of City Trusts and by the Directors of the Girard Water Company, has been limited of late to efforts by the latter to prevent the occurrence and extension of forest fires. Notwithstanding these efforts, forest fires ran over the Girard Water Company's lands in April and May of this year and destroyed three hundred and ninety-five acres of young timber worth, according to our very conservative method of computation, \$627.00.

Of this eighty-five acres were within the stone-fenced enclosure. Ten acres were burned by a fire swept over the stone wall by a strong wind on April 30th. Seventy-five acres were burned on May 11th, evidently set on fire accidentally by some person making a short cut between the Catawissa Valley and the Shenandoah Valley. Both of the fires within the fenced enclosure were stopped by the efforts of Reservoir Watchman Hechler and men hastily secured to fight the fires, and by the fire roads which had been cut the previous autumn for this purpose. These same forest fires burned over 4268 acres of the Girard Estate land and destroyed young timber estimated to be worth \$5636.00.

The Girard Estate, over whose lands practically all the ten miles of water mains used by the Girard Water Company are laid, has during the past year laid twenty-four hundred and eighty-six (2,486) feet of six-inch pipes to afford a better supply of water to Bast and William Penn Collieries.

There are now in force twenty-six agreements, of which ten are for supplying water to collieries ; two, water to washeries ; one, water to a contractor for stripping coal ; seven, water to towns and villages ; and three, water to railroad companies, while two cover ice privilege and one a railroad right of way to the ice storage houses.

Very respectfully yours,

HEBER S. THOMPSON,

*General Manager.*

POTTSVILLE, PA., December 31st, 1903.



## GIRARD WATER COMPANY.

## RECORD OF RAIN AND SNOW FALLS

(EXPRESSED IN INCHES AND HUNDREDTHS)

DURING THE YEAR 1903,

AT LOST CREEK DAMS, ON NORTH MAHANOHY MOUNTAIN, SCHUYLKILL COUNTY, PA.

ELEVATION ABOVE TIDE, 1605 FEET.

Month.	Snow.	Melted.	Rain.	Total.	Total per Month.	Month.	Rain.	Total per Month.	Month.	Snow.	Melted.	Rain.	Total.	Total per Month.	
Jan.	2	...	...	55	55	May	3	16	Sept.	5	...	...	22	...	
"	3	...	...	36	36	"	14	...	"	7	...	...	10	...	
"	5	50	18	18	...	"	20	83	"	8	...	...	26	...	
"	6	1 00	17	17	...	"	21	07	"	9	...	...	02	...	
"	7	2 50	20	20	...	"	22	25	"	10	...	...	33	...	
"	8	2 00	18	18	...	"	27	24	"	17	...	2 06	...	...	
"	9	1 50	14	14	...	"	28	60	"	27	...	06	...	...	
"	11	7 00	84	84	...	"	30	13						...	
"	20	...	...	37	37							3 05		3 05	
"	21	...	...	50	50	June	7	60							
"	23	...	...	...	...	"	8	65							
"	24	2 50	20	20	...	"	9	21							
"	25	2 50	20	20	...	"	11	1 53		Oct.	2	...	...	...	
"	28	...	...	39	39	"	12	40		"	5	...	40	...	
	19 50	2 11	2 17		4 28	"	13	10		"	7	...	...	...	
Feb.	1	1 50	14	14	...	"	14	28		"	8	...	2 35	...	
"	2	...	...	02	02	"	15	04		"	9	...	1 65	...	
"	4	...	...	74	74	"	16	36		"	10	...	62	...	
"	8	...	...	42	42	"	17	22		"	11	...	20	...	
"	11	...	...	65	65	"	18	15		"	17	...	1 02	...	
"	15	...	...	92	92	"	20	30		"	18	...	39	...	
"	16	9 00	81	16	97	"	21	05		"	23	...	12	...	
"	17	6 00	54	...	54	"	23	63		"	26	...	...	...	
"	22	...	...	...	...	"	28	43							
"	27	...	...	54	54	"	29	2 00				6 75		6 75	
"	28	...	...	92	92	"	30	...							
	16 50	1 49	4 37		5 86	July	3	1 02		Nov.	5	...	15	15	
March	5	...	...	12	...	"	5	08		"	6	...	...	...	
"	7	...	...	08	...	"	10	22		"	12	...	...	...	
"	8	...	...	50	...	"	11	79		"	14	...	...	...	
"	9	...	...	06	...	"	12	54		"	16	...	48	48	
"	10	...	...	08	...	"	13	12		"	17	...	1 04	1 04	
"	11	...	...	12	...	"	14	06		"	23	25	04	04	
"	21	...	...	89	...	"	15	02		"	24	...	...	...	
"	22	...	...	22	...	"	18	1 94		"	26	...	03	03	
"	23	...	2 14	...	...	"	19	46		"	29	75	09	09	
"	24	...	...	...	...	"	20	06		"	30	...	04	04	
"	25	...	...	...	...	"	21	02				1 50	20	1 67	
"	28	...	...	02	...	"	22	...						1 87	
"	30	...	...	49	...	"	29	50							
				4 72	4 72	"	30	36							
April	2	...	...	10	...	Aug.	4	52		Dec.	2	6 00	36	36	
"	4	...	...	51	...	"	5	04		"	3	2 00	12	12	
"	7	...	...	85	...	"	6	42		"	9	14	1 38	1 38	
"	8	...	...	64	...	"	9	04		"	13	...	66	66	
"	9	...	...	10	...	"	11	02		"	18	...	...	...	
"	11	...	...	20	...	"	16	78		"	19	3 00	24	24	
"	12	...	...	58	...	"	19	06		"	20	...	1 60	1 60	
"	13	...	...	...	...	"	20	51		"	21	25	02	02	
"	14	...	...	82	...	"	22	06		"	26	3 00	17	17	
"	15	...	...	31	...	"	23	12		"	27	1 00	05	05	
"	16	...	...	04	...	"	24	25		"	29	...	03	03	
"	23	...	...	...	...	"	25	12		"	30	3 50	19	19	
"	24	...	...	06	...	"	28	1 32		"	31	...	01	01	
"	26	...	...	02	...	"	29	38							
				4 23	4 23	"	30	20							
						"	31	27							
								5 15				33 50	2 57	2 26	4 83

♀ Trace.

Total snowfall for year	71.00 inches.
Total precipitation for year	57.16 "
Average monthly precipitation	4.76 "
Greatest monthly precipitation, June	7.95 "
Least monthly precipitation, November	1.87 "
Greatest daily rainfall, October 8th	2.35 "
Greatest daily snowfall, December 9th	14.00 "
Average yearly snowfall in 17 years	66.04 "
Snowfall for 1903, above average	4.96 "
Average yearly precipitation in 17 years	54.66 "
Precipitation for 1903, above average	2.50 "
Average monthly precipitation in 17 years	4.55 "
Normal for 1903, according to U. S. Weather Bureau	56.62 "

	Snowfall.	Precipitation.
1903	71.00	57.16
1902	95.25	61.55
1901	57.00	51.34
1900	42.50	42.78
1899	76.25	52.13
1898	75.50	55.88
1897	58.00	49.87
1896	52.00	53.68
1895	49.75	40.11
1894	99.50	54.39
1893	94.87	52.92
1892	76.62	49.32
1891	42.75	62.44
1890	52.25	64.03
1889	31.87	70.27
1888	60.00	62.62
1887	87.50	48.73



## GIRARD WATER CO.

### TREASURER'S REPORT.

**Assets and Liabilities, December 31st, 1903.**

#### ASSETS.

Works on Lost Creek and Raven		
Run . . . . .	\$201,645	52
Cash . . . . .	714	36
Water rents due and uncollected . .	1,818	77
Lot rentals " " " . .	54	75
		\$204,233 40

#### LIABILITIES.

Capital stock . . . . .	\$200,000	00
Dividends uncollected . . . . .	442	50
		200,442 50
Surplus . . . . .		\$3,790 90

**Cash Receipts and Payments during the Year 1903.**

#### RECEIPTS.

Water rents . . . . .	\$32,122	60
Ice cutting privilege . . . . .	186	73
Rent of real estate . . . . .	25	00
Miscellaneous receipts . . . . .	196	44
		\$32,530 77
<i>Cash Balance, January 1st, 1903 . . . . .</i>		844 19
<i>Amount carried forward . . . . .</i>		\$33,374 96

*Amount brought forward . . . . .* \$33,374 96

PAYMENTS.—EXPENSES.

Taxes . . . . .	\$1,100 00	
Rent of pipe lines, 1903, .	15,000 00	
Repairs and improve- ments to reservoirs . .	828 39	
Repairs and improve- ments to buildings . .	252 72	
General improvements .	4,021 44	
Salaries . . . . .	960 00	
Traveling expenses . .	192 00	
Miscellaneous expenses,	50 54	
Stationery and printing,	62 24	
Forestry . . . . .	218 27	
		\$22,685 60
Dividend . . . . .	9,975 00	
		<u>32,660 60</u>
<i>Cash Balance, December 31st, 1903 . . . .</i>		<u><u>\$714 36</u></u>

FRANK M. HIGHLEY,  
*Treasurer.*

PHILADELPHIA, December 31st, 1903.

# APPENDIX D.

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## OFFICERS OF GIRARD COLLEGE.

JANUARY 1, 1904.

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### PRESIDENT.

ADAM H. FETTEROLF, Ph. D., LL. D.

### VICE-PRESIDENT.

WINTHROP D. SHELDON, A. M., LL. D.

### FACULTY AND TEACHERS.

JAMES N. WALKER, A. M.,  
*Professor of English and Literature.*

CALIXTO GUITERAS, C. E.,  
*Professor of Spanish.*

FRED'K PRIME, A. M., Ph. D.,  
*Professor of Natural History.*

ALFRED NEWLIN SEAL, Ph. D.,  
*Professor of Chemistry and Physics.*

JOHN K. HARLEY, M. E.,  
*Professor of Bookkeeping, Penmanship, and Drawing.*

MAJOR H. G. CAVENAUGH,  
U. S. A. (retired),  
*Professor of Military Science and Tactics.*

C. ADDISON WILLIS, M. E.,  
*Professor of Mathematics.*

FRANK A. CHALMERS,  
*Teacher of Phonography.*

PIERRE FRANÇOIS GIROUD,  
Licencié ès Lettres (Univ. of France),  
*Professor of French.*

MISS ELSIE WOODWORTH READ,  
*Teacher of Elocution.*

### LIBRARIAN.

MISS MARY MECUTCHEN.

### TEACHERS IN THIRD FORM.

MISS CHARLOTTE E. OVERN,  
MISS HESSY R. MILLER,  
MISS EMILY P. TOWN,  
MISS INEZ E. WALSH,  
MISS ELIZABETH McDUFFEE,

MISS MARY D. WARE,  
MISS VIRGINIA B. TUCKER,  
MISS SUSAN B. PRICE,  
MISS LOUISE St. C. WOLF,  
MISS MARY E. ROBB,

MISS MARGARET WYLIE.

## TEACHERS IN SECOND FORM.

MISS ANNIE DEAN SWIFT,	MISS GEORGIE A. CURRIE,
MISS JANE PEOPLES,	MISS C. JESSICA J. DONNELLY,
MISS KATHARINE H. BROPHY,	MISS BESSIE BURNETT,
MISS BESSIE SHARP,	MRS. EVA ROBERTS STEVENS,
MISS EMILY E. PAYNE,	MISS HELEN A. WILSON,
MISS MARY PEOPLES,	MISS CHARLOTTE A. RAGOTZKY.

## TEACHERS IN FIRST FORM.

MISS KATHERINE L. MORGAN,	MISS ERMINNIE L. JOHNSON,
MISS ANNA M. SHENK,	MISS ALICE POTTER ERVIN,
MISS JANE KNOX JACKSON,	MISS MAY KENNEDY,
MISS KATHARINE S. PAUL,	MISS SARAH A. CONARD,
MISS LILLIE MACFARLAND,	MISS MARY E. TEMPLIN,
MISS LAURA MAE BENSON,	MISS ROBERTA H. HOBBS.

MISS FANNY WEST,  
*Teacher of Drawing.*

THOMAS A'BECKET,  
*Organist.*

JERRY MARCH,  
*Professor of Vocal Music.*

WILLIAM D. BASTERT,  
*Instructor of Brass Band.*

THOMAS WINN,  
*Precentor.*

FREDERICK A. FINKELDEY,  
LOUIS LEWIS,  
*Instructors of Physical Training.*

## MECHANICAL SCHOOL.

THELLWELL RUSSELL COGGESHALL,  
*Superintendent.*

DAVIS EAVENSON,  
*Instructor in Wood Turning.*

CHARLES M. KNAPP,  
*Instructor in Electrical Mechanics.*

CHARLES S. WILLIAMSON, B.S.,  
*Instructor in Mechanical Drawing.*

GEORGE A. PEDDLE,  
*Instructor in Iron Work.*

ROBERT H. CLINGER,  
*Instructor in Carpentry.*

WM. HOWARD ECHTERNACH,  
*Instructor in Foundry.*

GEORGE W. NORTON, B.S.,  
*Instructor in Sloyd.*

JOSEPH G. SIMCOCK,  
*Instructor in Blacksmithing.*

ALFRED J. RUDOLPH,  
*Instructor in Plumbing.*

## HOUSEHOLD.

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### STEWARD.

FRANK O. ZESINGER.

### MATRON.

MISS ANNA M. SHREVE.

### ASSISTANT MATRON.

MISS JOSEPHINE ROSS.

### GOVERNESSES.

MISS MARY L. GOVERS,	MRS. HANNAH E. EARL,
MISS SARAH M. CHEW,	MRS. EDITH W. STONE,
MISS CAROLINE M. WHITECAR,	MISS LILIAN T. SMITH,
MRS. FANNY T. BOAS,	MISS SARA H. WHITBY,
MISS VIRGINIA MILLER,	MISS MARGARETTA P. BULLOCK,
MRS. EMMA NOBLE,	MISS MARY MCBRIDE,
MRS. ANNA H. RAINIER,	MRS. MARGARET A. SPIESE,
MISS MARY FRANKLIN,	MISS ELIZABETH THORNILEY,
MISS PHOEBE C. SILLIMAN,	MISS LIZZIE C. DARE,
MISS ADELE C. CASE,	MISS MARY S. CHANCE.
MISS ELIZABETH EKINGS,	MRS. MARGARET J. THOMAS,
MISS LOUISA LAU.	

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### SENIOR PREFECT.

WILLIAM H. KILPATRICK.



**PREFECTS.**

HENRY HANBY HAY,	CHARLES C. HENSHEN,
GEORGE W. PRICE,	THOMAS W. FERGUSON,
WILLIAM H. HAGER,	GEORGE D. RISE,
JAMES B. MACDERMOTT,	GILLINGHAM F. DOUGHTY,
TOWNSEND R. WOOD,	WILLIAM L. DAWES,
ALBERT B. HARMER,	B. FRANK WICKERSHAM,
CHARLES E. DAVIS,	WILLIAM REYNOLDS,
ISAAC P. WALKER,	RICHARD J. GUSTIN.

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**VISITING PHYSICIAN.**

WILLIAM S. JANNEY, M. D.

**CONSULTING SURGEON.**

HENRY R. WHARTON, M. D.

**RESIDENT PHYSICIAN.**

HOWARD G. FRETZ, M. D.

**DENTIST.**

WILBUR F. LITCH, M. D.

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**SUPERINTENDENT OF ADMISSION AND INDENTURES.**

JOHN S. BOYD, Stephen Girard Building, 21 South Twelfth Street.

# GIRARD COLLEGE.

## PRESIDENT'S REPORT FOR 1903.

*To the Board of Directors of City Trusts:*

GENTLEMEN:—During the year 1903 there were admitted to the College, 209 boys.

DISCHARGED:—

Indentures canceled—

To enable them to accept positions.....	178	
On friends' plea of ability to support.....	3	
For physical infirmity.....	3	
Returned to friends.....	2	
		— 186
Eighteen years of age.....	14	
Expelled.....	10	
		— 210
Died.....	6	
		— 6
Total.....		— 216

Of the 192 boys who were honorably discharged this year, 145 went to employment. Of these 35 were graduated. Of the 152 who were not graduated when they left the institution, 35 had reached the Fourth School, 96 the Third School, and 21 the Second School, and all had received some manual training, either in the Mechanical Instruction Department or in the Sloyd School.

The 35 graduates took up employment as follows:—

Braille Printer .....	1
Chemist.....	1
Clerks.....	10
Collector and Solicitor .....	1

---

Electrician.....	1
Factory Hand.....	1
Machinist.....	1
Monitor.....	1
Plumber.....	1
Salesmen.....	2
Sheet-iron Worker.....	1
Stenographers and Typewriters.....	13
Upholsterer.....	1

Five graduates had not gone to employment when they left the institution.

Of the boys who went to employment in 1903, nearly 40 per cent. took up with mechanical or manual pursuits.

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### CHANGES.

The following changes took place in the College staff during the year:

Miss Marian B. Heritage, teacher of Reading, died April 14th.

Miss Iona M. Nowlen, teacher in Second School, resigned May 16th.

Miss Martha D. Sharp, teacher in First School, resigned May 20th.

Miss Edna Leiper, teacher in First School, resigned August 31st.

Miss Hannah F. Sherron, teacher in First School, resigned December 31st.

Mr. Frank H. Danenhour, prefect, resigned January 15th.

Mr. John Uprichard, instructor in Plumbing, died March 12th.

Mr. Willard B. Rivell, prefect, died April 21st.

Mr. George J. Becker, Professor of Penmanship, Drawing, and Bookkeeping, retired, died June 13th.

Warren Holden, A. M., Professor of Mathematics, retired, died August 23d.

The vacancies in the Department of Instruction have been filled as follows:

Miss Elsie Woodworth Read succeeds Miss Heritage as teacher of Reading.

Miss Sarah A. Conard, Miss Mary E. Templin, and Miss Roberta H. Hobbs were appointed to the vacancies left by the resignations of Miss Nowlen, Miss Sharp, and Miss Sheron, it having been decided to leave vacant the place of teacher in the Infirmary.

In the Mechanical School Mr. Alfred J. Rudolph becomes instructor in Plumbing, in place of Mr. Uprichard.

In the Household the prefectships were filled by Mr. William Reynolds and Mr. Richard J. Gustin.

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## INSTRUCTION.

There were no special new features in the Department of Instruction during the year. At the opening of the year 1902 a special course of trade instruction, covering a period of two years, was introduced, and at the close of the present school term, January 31st, 1904, the first pupils will be graduated from it. They are as follows:

In electrical mechanics.....	5
In wood working.....	6
In metal working.....	3

By dropping a few of the studies in the regular course, and by devoting two hours per day of their play time, they have been able to spend twenty-four hours of each week in the Trade School. A gentleman connected with one of our largest industrial establishments and who has had much experience with apprentices, has inspected the work of these boys, and says: "I have visited the Mechanical Instruction Department of the Girard College and examined the boys' work in the pattern shop, machine shop, foundry, and blacksmith shop, and was surprised at its excellence, particularly that of the boys in what is known as the Trade School."

We believe that these boys will prove to their employers that they are well prepared to take up advanced work in any industrial establishment where skill in their chosen trade is appreciated.

#### FOURTH FORM.

The work in the Fourth Form, as outlined in my report for 1902, has been well sustained and the general interest kept up. While in all departments we aim first at practical utility, we endeavor at the same time to give mental culture.

In the Department of Mathematics the interest has been materially increased, and better results obtained by more constructive drawing in Geometry and more plotting and use of instruments in Surveying.

The work in Stenography and Typewriting has been extended both in the equipment and the time devoted to it. For bright, intelligent boys, who have a good command of English and a mind for business detail, stenography and typewriting offer excellent opportunities for remunerative employment. The demand for our graduates who are expert in shorthand and typewriting constantly exceeds the supply.

Since December, 1902, nine new machines have been added to the Typewriting Department. The work in detail is as follows:—

#### *Class 4-4 (First Term).*

Stenography.—The principles of shorthand are taken up at the beginning of the term, and words given to illustrate each principle and to supply the necessary practice. Accuracy is the first thing desired, the outlines being formed neatly and accurately without regard to speed. About three and one-half months of the first term are taken up with this work. During the last month and a half the principles are reviewed, tests given, and slow dictation taken.



Typewriting.—Copying on the typewriter from printed copy is the work of this term: simple words at first, then sentences, and finally, business letters. The adjustment of the machine for different kinds of typewriting work is explained.

*Class 4-5 (Second Term).*

Stenography.—Dictation work is made the principal feature in this class, although during the first half of the term the matter of speed gives way to accuracy. The principles of phrasing are taught, and the short cuts, which are so necessary in rapid writing, are explained. During the last half of this term there is constant practice in speed work, with frequent tests at varying rates at from 60 to 100 words per minute; and the shorthand notes are transcribed on the typewriter.

Typewriting.—Copying from shorthand notes constitutes the greater part of the work in this department. The use of carbon paper in making two or more copies is demonstrated, and considerable practice given therein. Copying letters in letter-books, by means of the letter press, is demonstrated and practiced.

*Class 4-6.*

Stenography and Typewriting.—This class does not have regular work in the department during school hours, but extra work in rapid dictation is given from time to time after school hours, and the boys are encouraged to keep up their practice on the typewriter.

The Department of Chemistry and Physics is conducted on modern methods and is equipped with apparatus for experiments and illustrations. There were added during the year 1903 an equipment of eight storage cells, a rotary transformer, and a series of attachments with which the dynamo and electric motor may be demonstrated. The Laboratory is greatly in need of an improved system of ventilation, which we hope to see introduced in the near future.

In English and History the course is important both for its practical as well as for its cultural value. The work for the year 1903 has covered its ground well, as appears from the following report:—

1. CLASS 4-6, whose course ended June 30th, and was as follows:—

History of Greece.—As much as is found in Myers' General History.

Literature.—Burke's Speech on Conciliation was read and an analysis of the argument required. Macaulay's Milton and Tennyson's Princess were read and essays on both written.

In Civil Government the class read 140 pages in Fiske—five chapters.

Genung's Rhetoric was studied. Much of the work formerly done in Genung is now done in Smith & Thomas' Composition and Rhetoric.

2. The present CLASS 4-6 covered the following subjects:—

The remainder of the History of France, History of Rome, and Mediæval History to the Third Crusade.

Genung's Rhetoric.—So much as treats of the paragraph and the whole composition.

At the beginning of the year the work done in Smith & Thomas' Composition and Rhetoric included Words, Usage, Propriety, and Solecisms.

Our Government, by Macy, was used by this class.

In Literature the class read Roger DeCoverly, Macbeth, Midsummer Night's Dream, and Silas Marner. Essays were written on the above and upon other subjects during the year. School English was finished this year.

3. The present CLASS 4-5 has pursued the following course during the year:—

History of England, continued from the previous year, from George I. to William IV. History of France

from Philip III. to Louis XVI. History of Greece from the beginning to the Macedonian supremacy.

Bain's Higher English Grammar completed.

Smith & Thomas' Composition and Rhetoric practically completed.

In Literature they have read Hamlet, As You Like It, Burke, with an analysis of his Speech on Conciliation, and The Princess. Essays on the above authors and their writings.

4. CLASS 4-4 has pursued the following course during two terms:—

Smith & Thomas' Composition and Rhetoric, as far as Expository Composition.

Exercises in English was finished.

West's English Grammar was finished.

In Literature the class read Hawthorne's Tales of the White Hills, &c., Enoch Arden, Silas Marner, Macbeth, The Vicar of Wakefield, and Macaulay's Milton. Essays were written upon the above subjects.

5. CLASS 4-3.—The course of study of this class during the two terms has been as follows:—

Buehler's English Grammar completed.

History of the United States completed.

History of England from Henry VII. to Charles II.

Buehler's Exercises in English finished.

Literature.—Hawthorne's Tales of the White Hills, &c., Tales of a Traveller, and the Merchant of Venice.

Essays on the above literature.

Scott & Denny's English Composition as far as page 97.

6. CLASS 4-2 pursued the following course during the past year:—

Buehler's Exercises in English.

History of the United States.

Buehler's English Grammar as far as Elliptical Sentences.

Smith & Thomas' Composition and Rhetoric.

In Literature.—Rime of the Ancient Mariner, Lady of the Lake, Enoch Arden, and Macbeth.

Essays on the above literature and on other subjects.

7. CLASS 4-I during one-half of the year followed these courses:—

Exercises in English.

History of the United States, from the Revolution to the Battle of New Orleans.

Literature.—King of the Golden River and Other Wonder Stories (Ruskin), and Rime of the Ancient Mariner.

Compositions on the above literature and other subjects.

In all the other departments of the Fourth School the work has been successfully carried on under the curriculum outlined in my report for the year 1902.

#### PHYSICAL TRAINING.

Eight hundred of our fifteen hundred boys have up to the end of 1903 been receiving regular and systematic drills in calisthenics. For the remaining seven hundred there was no provision made for physical training except the military drill of the cadets.

It has become increasingly evident as time goes on that physical training should receive more attention in our schools. Educators and writers on the general subject of training the young have noticed the somewhat weak physical condition of all children of to-day. The cause of this is not difficult to find. Less and less attention is given to agriculture and other pursuits which take people into the open air. Everywhere the drift of population is to the cities. The result is feebleness of constitution and tendency to disease. The average city boy is physically too frail to endure fatigue and too weak to bear pain or to face danger.

Equipping the minds of children with knowledge to the neglect of bodily health and strength is not making the wisest use of school funds. An educated invalid is a blessing neither to himself nor to the community. An eminent English philosopher has well said: "He that sinks his vessel by overloading it, though it be with gold and silver and precious stones, will give his owner but an ill account of his voyage."

With the beginning of the new year, 1904, there will be a decided step in advance in our physical training. Having engaged the services of Mr. Frederick A. Finkeldey, a gentleman with ample training and valuable experience, we are now prepared to give daily drills to all the boys.

The object of Mr. Finkeldey's plans, as given in his circular, is as follows:—

"The object of physical exercises in the schools is to counteract the evil effects of the incorrect positions assumed by the pupils, under the strain of long sessions, in more or less insufficiently ventilated rooms; to relieve the mental and nervous strain of continued application to study; to assist in developing and unfolding the mental powers of the pupils; to secure for them a symmetrical development, sound heart and lungs, and an erect, graceful carriage; and so to train the body as to bring it under control of its master, the mind."

#### THE NEW COURSE OF STUDY.

In regard to the course as a whole, we call attention to the following features:—

1. The various subjects have been elaborated with considerable detail. The salient points of the work in each branch of study have been definitely outlined with suggestions as to methods of treatment, the precise character and extent of the work required in each grade. In this respect it will, we believe, be a decided help to the teacher and in advance of that adopted in 1893.



2. It has constantly been kept in view that it is fundamental in education that the pupil's interest in his studies be aroused and sustained. This principle, we believe, will be evident in the treatment of each subject, the topics taken up, the methods suggested, and the apparatus provided.

3. Great care has been taken in the selection and suggestion of text-books and reference books, in order that the teacher will be enabled to enlarge her own knowledge and also give freshness to her teaching.

4. The grouping of the four branches under "English," viz., Language Lessons, Reading, Spelling, and Writing. Under Language Lessons two forms of work are outlined: First, exercises to develop the faculty of expression by practice in reproducing stories and poems in the pupil's own words; and also the reproduction in writing from memory of the daily work in such lessons as Reading, Geography, History, &c.; description, narration, and letter writing. Second, technical work, consisting of the elements of Grammar, practically illustrated and applied.

5. In order to improve the "Reading" a summary of exercises is outlined, to be carried forward concurrently with the lessons in reading. These exercises include the correct method of breathing, enunciation, and articulation, phonetic word-building; also expression, emphasis, &c.

6. Spelling.—The work in this subject includes besides the use of the spelling-book exercises in the spelling of selected words as they occur in the current lessons in Geography, History, Reading, &c.

7. Penmanship.—The vertical system adopted seven or eight years ago is continued, as experience has demonstrated its superiority in almost every essential particular. Taking the work of the pupils throughout the whole institution there has been a marked improvement in writing since the adoption of this system.

8. In Arithmetic the work in the several grades has been rearranged and distributed more in detail, with a view to more thoroughness in drills, and, as a consequence, greater effectiveness. In every grade throughout the First, Second,

and Third Schools special emphasis is placed upon constant practice in the four fundamental rules, in order to secure accuracy and facility in their operations. Brief and spirited exercises in Mental Arithmetic are required daily.

9. Geography.—In addition to Physical and Political Geography, Commercial Geography is made a special topic of study, including trade routes by land and water, seaports, and other centres of trade and of production and manufacture, and the various products with which commerce deals. In this era of trade expansion this is a subject of special interest and value. The effectual study of Geography as well as of History requires the abundant use of illustrations which appeal to the eye. For this purpose the stereograph or stereoscopic view mentioned in the course is admirably adapted.

10. History.—The more formal study of History is not taken up until the pupil reaches the second grade of the Second School. The subject is, however, introduced in a very simple, informal way, taking the form of story, incident and anecdote, examples of patriotism, courage, heroism, achievement, self-control, and devotion to duty, drawn principally from biography, as early as the second grade of the First School. Throughout the course in the higher grades the study of History is enlivened by the use of ample and copious reading.

11. Civics.—Beginning with the higher Grammar grades the study of Civics is associated with the work of History, that the pupil may be made familiar with the nature and objects of the Government under which he is to pass his life and also that he may learn the principles and duties of good citizenship. Here again, no text-books are used by the pupil, but the instruction is given orally by the teacher, principally through readings from appropriate books supplied to each grade for this purpose. The more formal study of the subject is taken up in the Fourth School.

12. Nature Study.—The course recognizes the importance of the study of the world of outdoor objects and phenomena, especially of plant and animal life; and a simple and systematic outline of the topics has been arranged. The move-

ment for the study of Nature in our schools is the outgrowth of the feeling that man should live in closer touch with Nature, and that childhood is the time to open the young mind to the knowledge of the common things about him. As some one has said: "The happiest life has the greatest number of points of contact with the world, and it has the deepest feeling and sympathy for everything that is."

13. Character Lessons.—Every school of whatever kind has a most important ethical function to fulfill. Recognizing character as of supreme value, it should give a direct, positive moral as well as intellectual training. This is especially true where a school stands practically in the place of parents. Under the head of "Character Lessons" are grouped lessons in practical ethics. Their purpose is to instruct the pupil in right ideas and principles of moral action, and to influence his will to act in accordance with them. These are designed to carry out Mr. Girard's desire expressed so wisely and so clearly in his Will.

14. Mechanical School.—In the curriculum of the Mechanical Department each of the several departments is taken up in order, with first a brief description of the equipment of the laboratory belonging to it. This is followed by a detailed statement of the nature and order of the work done in the laboratory. For the purpose of illustrating the printed text and making it clear by pictorial illustration, the superintendent has taken various pictures which are inserted in their appropriate places.

In the field of education there are many problems yet to be solved, and in making out a course of study for any school certain questions will arise—for instance: What studies shall be included? What excluded? What are the relative educational value of the different studies? How much time should be devoted to each? &c.

It is not to be presumed that in the course submitted herewith, or in any course that has yet been devised, these questions have been fully or finally answered. Suffice it to say that in preparing this course they have been borne in

mind and carefully considered. It is believed that this production embodies a broad, generous conception of education, is in harmony with generally accepted and verified principles of education, and is well adapted to the peculiar conditions and requirements of this institution. With earnest, faithful, and progressive teachers to carry it into execution, it will, we believe, prove to be a marked advance upon preceding revisions.

#### THE LIBRARY.

The main College Library now contains 16,665 volumes, of which 642 were added during the past year. This library is used by teachers and officers and by the boys of the Fourth Form, and is open daily from 9 A. M. to 6 P. M., except Sundays. On Saturdays it closes at noon. During the year 1903 the visits were as follows:—

Teachers and officers.....	2,664
Boys.....	6,026

There is also a library in each of the 41 schoolrooms and in each of the 31 study rooms and in the Mechanical School. In these there are in the aggregate, 16,167 books, all selected to suit the age and attainments of the boys who read them. In an institution such as Girard College it is important to avoid, as far as possible, monotony in the daily life of the pupils. To this end we aim to give the boys plenty of recreation, both of mind and of body. Healthy boys are by nature restless, seeking opportunities and anxious to give vent to their abundant vitality and energy. They love adventure, and if they cannot have it in life they want it in books, and in this form it should be furnished to them. If they cannot see the actual world by travel, they should have the pleasure of seeing it in the tales and stories of those who have traveled and discovered. Next to the benefit derived from meeting the best men and women in early life is that derived from the reading of wholesome, stimulating literature. In addition to giving our boys the latest and best books, we give them the benefit of all the games, both out-of-door and house. In these the boys engage constantly, and in some of them, especially in the athletics, many of them become expert.



## HOLIDAYS AND VACATIONS.

The vacations in the College are three—the midsummer of two months, and those of Easter and Christmas, lasting usually four days. There are single holidays during the year as follows:—

January.....	Third Wednesday.
February.....	Lincoln's Birthday, Washington's Birthday.
April.....	Third Wednesday.
May.....	Founder's Day, Memorial Day.
October.....	Third Wednesday.
November.....	Thanksgiving Day.

There are also three half-holidays which are known as Mothers' Day, when the mothers or next friends of the boys may visit them between the hours of one and six. These occur on the first Tuesdays of March, June, and December, and are greatly enjoyed both by the boys and their visitors. During the Summer vacation of 1903, boys were taken out into the country by their friends as follows:—

8 weeks.....	416
7 weeks.....	203
6 weeks.....	93
5 weeks.....	22
4 weeks.....	122
3 weeks.....	50
2 weeks.....	99
1 week.....	24
Less than 1 week.....	39
No vacation.....	417

This does not include the time spent by the Cadets at Island Heights. Most of the boys who were away for seven weeks had the additional ten days in camp. Of the 417 who had no vacation given them by their friends, 116 had been out with the Cadets, while the others (301) had no outing



whatever, save an occasional day in Fairmount Park and the annual picnic at Willow Grove in August.

In this connection I take pleasure in stating that our thanks are due to both the Pennsylvania Railroad Company and the Philadelphia and Reading Railway Company for their generosity in permitting pupils of the College to travel at the rate of one cent per mile whenever they visit their homes. Were it not for these low rates many of our boys would not be able to make these visits as frequently as they do, as the traveling expenses are not paid by the College. During the year 1903 the number of boys carried back and forth were as follows:—

Pennsylvania Railroad.....	508
Philadelphia and Reading Railway.....	591
Total.....	<u>1,099</u>

#### SCHOOL AND HOME LIFE.

Girard College is both a home and a school. In the school, known as the Department of Instruction, the work is similar to that of other schools where lessons are taught in the various subjects of the curriculum. If the work of Girard College differs at all from that of private institutions or that of the public schools, it is in the way of more thoroughness, accuracy, and attention to detail. From the fact that our boys must at once earn their own living when they leave the institution we must in all our teaching consider efficiency rather than mere intelligence and general culture. This is true of all departments and especially in the Manual Training School. From other manual training schools the pupils may go to higher institutions, or they may at once become superintendents, overseers, or foremen, where knowledge without skill may be all that is needed. But with us it is necessary that we should train our pupils to perform skilfully any and every kind of manual work at which they are employed. In this respect we think that employers and others who will take the trouble to test our teaching will find that the claim is made good.

In the home or Household Department of the College the boy has a life differing considerably from that of his school life. In this department he spends the greater part of the twenty-four hours of each day. It is here that he absorbs that knowledge and has that experience which comes by reading, conversation, and observation. It is in the household where boys receive, read, and answer letters, where they see the daily paper from which they read and discuss the news of the day. It is here that they have access to books and periodicals from which they get mental recreation, information, and entertainment, such as interesting stories, games, and puzzles. It is here that they learn the lessons of the care, wear and tear of clothing, as well as those of cleanliness of person, politeness of manner, and chaste speech. It is here that they will talk about the public men who hold positions either in the Government or in society; about the world's heroes, either past or present. It is here, too, that they discuss with their officers the addresses to which they have listened in the Chapel, both on Sundays and on public occasions. They consider and discuss such questions as overcoming difficulties, meeting temptations, telling the absolute truth, acts of real courage, &c.—all these are subjects of conversation both among the boys themselves and with their officers. Fortunate, indeed, is the lad who has associates whose example is not only safe, but inspiring and elevating, and whose officer has the interest, the judgment, the tact, and the intelligence that will unconsciously lead him into correct channels of thought and into right paths of conduct.

#### SUMMER ENCAMPMENT.

The cadets had their usual ten days in camp at Island Heights, N. J., beginning with the 10th and ending with the 17th of July. The only drawback to the location so ideal in every other respect, is the mosquito. During part of the stay the annoyance was so great that the boys became much discouraged and felt that instead of enjoying the outing they were simply enduring it. It will be well to consider the question of location before another Summer encampment is decided upon.

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## In Memoriam

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**GEORGE J. BECKER,**

Died June 13th, 1903.

Professor Becker became an instructor in Girard College in April, 1849, and continued in the service of the institution until his retirement in 1896. Previous to his coming to Girard College he held a similar position in the Boys' High School, and for awhile he taught in both institutions.

A native of Germany, he came to this country with his parents when seventeen years old. He was educated in the public schools of Philadelphia, and for awhile after leaving school he was engaged in mercantile life. It was his experience in counting-house work that first suggested to him the idea of becoming an instructor in bookkeeping and penmanship. In the latter art, both plain and ornamental, he had in his day few superiors, and he was widely and very favorably known for his skill with the pen. He was the author of a system of penmanship and also of a series of works in bookkeeping. As an instructor he was careful, conscientious, and painstaking. He followed with deep interest the career of boys who had been graduated from the College, especially if they excelled as penmen, accountants, or draughtsmen.

Before 1877, when the office of Vice-President was created, as the senior member of the Faculty, Professor Becker performed the duties of the executive in the absence of the President of the College. He will be long remembered by the older graduates, who held him in high esteem both for his skill as an instructor and for his intrinsic worth as a man of honesty and integrity.

**WARREN HOLDEN, A. M.,**

Died August 23d, 1903.

Professor Holden was born in Newark, N. J., February 1st, 1817. He received his early education in the public schools of New Jersey and at Woodbridge Seminary, South Hadley, Mass., and was graduated from Dickinson College, Carlisle, Pa., in 1843. After his graduation he taught both in the public and private schools of this and adjoining States, and in 1851 served for awhile as prefect in Girard College. In June, 1852, he was appointed an instructor in Girard College, which position he held until he was retired in 1897.

There are few men more deserving of praise for faithful service and exemplary living than Warren Holden. Conscientious almost to a fault, he did his duty from day to day, not for praise or reward, but as in the sight of God, whose attributes were his constant study and whose laws he ever regarded. In early life, while a student at College, he became acquainted with the writings of Emanuel Swedenborg, whose views became the basis of his religious life and experience.

In his own special department of Mathematics he kept well abreast of the times by close and constant study and by correspondence and interviews with other teachers and writers in his line. He also gave much time to literature, and was himself the author of a number of publications which, while they called forth favorable comment from literary men, were not of a character to become popular with the mass of readers.

Among the pupils of Girard College who were under his instruction, Professor Holden's memory will be cherished for his faithful and conscientious teaching and for his firmness and fairness as a disciplinarian. No boy ever presumed to take undue advantage of Professor Holden, and no one ever had occasion to complain of injustice at his hands. His death was as calm and peaceful as his life was noble and exemplary.



**MARIAN B. HERITAGE,**

Died April 14th, 1903.

Miss Heritage was elected teacher of Elocution in Girard College in February, 1882, being chosen after a careful examination out of some twelve or fifteen candidates, of whom she was the youngest. She impressed the committee by her appearance, by her manners, and by her simple, natural, pleasant, yet impressive, style of reading.

She entered on duty at once and soon gained the esteem and confidence of her pupils, winning them by her calm, consistent, and dignified bearing, and by her wise and tactful methods. There seemed to be between her and her pupils a feeling of mutual regard. She had confidence in them and they had confidence in her. She believed that she could teach the boys, and they were equally confident that they could learn from her. With such pleasant relations between teacher and taught, many of the difficulties which usually confront the young teacher were soon overcome, and the way was made clear for the efficient work, the results of which were always evident.

Her pupils became her friends, the friendship being a lasting one, and not confined to the College grounds or to College days. When in after years they wanted counsel in times of doubt or perplexity, sympathy in times of trouble, or congratulation in times of good fortune, they would go to Miss Heritage. And such appeals were never made in vain. The same tact and good judgment that availed her in the class-room was not wanting on social occasions. Many a College boy was led, through her influence, to devote himself to church and to religious work.

Miss Heritage's life was singularly free from selfishness. She devoted her time, her talents, and often her substance to works of benevolence and religion. Her interests were many, and as her heart went out towards God's people, her mind was ever active and her hands ever busy. She labored in the church, in temperance work, in Christian Endeavor, and in other societies organized for the benefit of the young and for the advancement of morality and religion. She lived a noble Christian life, and by example and precept taught others to do likewise. Her death was as calm as her life was pure, and her early taking away is mourned by many.



**WILLARD B. RIVELL,**

Died April 21st, 1903.

Mr. Rivell was admitted to Girard College as a pupil on March 2d, 1858, when eight years old, and was bound out June 27th, 1868, to learn the carpenter's trade. In 1872 he was appointed to a prefectship in the College and served until 1878, when he resigned to again resume his trade. When Building No. 7 was opened in 1877, he again returned to the College as an officer, and rendered very efficient service in the organization of what was then called the Primary Department. It was here that Mr. Rivell showed his skill as an organizer and disciplinarian. With 320 new boys to classify and bring under proper discipline, with governesses and teachers all without experience and new to the work, Mr. Rivell's services were invaluable. Patient and kind, firm and untiring, he labored perseveringly and successfully. His skill as a disciplinarian, and more especially as a drill-master, is shown in many of the minor details of his work. It was he who gave the boys their first lessons in marching and in the facings, the results of which are seen in our military drills.

Mr. Rivell's merits lay not only in his faithfulness to duty, but in his exemplary life. In his relations to those under whom, with whom, and over whom he labored, he was a model. To those over him in authority he was loyal, respectful, and obedient; with his associates he was courteous, honorable, and generous, being ever willing to do more than his share of work; and in his dealings with the boys he was fair, considerate, and kind. No boy ever complained of injustice at the hands of Mr. Rivell. He so won the confidence of the little fellows that they were always ready to follow where he led, to do cheerfully what he required, and to believe implicitly in what he said and taught. Mr. Rivell, too, never let pass an opportunity to express his indebtedness to the College for the help given him in his early years. His feeling of gratitude was lasting. During the latter years of his life he was a constant sufferer from ill health, and at times it was hard for him to stand the strain of his daily

tasks, but so long as he was able to go out of his house at all he would be on duty, never asking for relief and never intimating that others should do his work.

In his death the College meets with a serious loss, and his comparatively early death is deeply regretted by his family, by the College, and by his many friends.

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In closing this report I am pleased to say that while the number of deaths in the College for the year 1903 has been considerably in excess of that of the two previous years, the general health of the boys has been excellent, there having been no serious epidemics. All the precautions against the small-pox suggested by the municipal authorities have been carefully observed, and up to this time we have not had a single case.

I wish again to thank the gentlemen of the Board of Directors for their valuable assistance and cordial support, and the teachers and officers for their loyalty and faithful discharge of duty.

ADAM H. FETTEROLF,  
*President.*

DECEMBER 31ST, 1903.

GIRARD COLLEGE INFIRMARY,  
PHILADELPHIA, January 1st, 1904.

A. H. FETTEROLF, PH. D., LL. D.,  
*President.*

DEAR SIR:—During the year ending December 31st, 1903, the following cases were treated in the wards of the College Infirmary:—

Abrasion . . . . .	16	<i>Brought forward</i> . .	678
Abscess . . . . .	53	Fever, simple continued, .	36
Acne . . . . .	2	“ typhoid . . . . .	7
Adenitis . . . . .	46	Foreign body in eye . .	6
Appendicitis . . . . .	8	“ “ swallowed . .	5
Asthenia . . . . .	1	Fracture . . . . .	21
Bronchitis, acute . . . .	234	Furuncle . . . . .	15
“ chronic . . . . .	4	Headache . . . . .	151
Burns . . . . .	6	Heat exhaustion . . . .	2
Bursitis . . . . .	4	Hemorrhage in eye . . .	1
Chorea . . . . .	1	Herpes . . . . .	1
Concussion . . . . .	1	Hysteria . . . . .	2
Conjunctivitis, catarrhal .	48	Impetigo contagiosa . .	2
Constipation . . . . .	8	Indigestion, acute . . .	744
Contusion . . . . .	141	Influenza . . . . .	12
Coryza . . . . .	4	Ingrowing toe-nail . . .	5
Dermatitis . . . . .	2	Insect bite . . . . .	2
“ venenata . . . . .	7	Jaundice . . . . .	2
Diphtheria . . . . .	3	Keratitis . . . . .	3
Dislocation . . . . .	1	Laryngitis . . . . .	12
Earache . . . . .	30	Mitral regurgitation . .	2
Eczema . . . . .	17	Myalgia . . . . .	12
Endocarditis . . . . .	3	Neuralgia . . . . .	2
Enteritis . . . . .	23	Otitis media . . . . .	2
Epilepsy . . . . .	2	Oxyuris vermicularis . .	2
Epistaxis . . . . .	1	Parotitis, epidemic . . .	74
Erysipelas . . . . .	2	Pericarditis . . . . .	1
Erythema . . . . .	3	Periostitis . . . . .	2
Fever, ephemeral . . . .	7	Pharyngitis . . . . .	18
<i>Carried forward</i> . .	678	<i>Carried forward</i> . .	1822

<i>Brought forward</i> • 1822	<i>Brought forward</i> . 2304
Pneumonia . . . . . 39	Tonsillitis, follicular . . . 121
Polyp, nasal . . . . . 4	Toothache . . . . . 25
Psoriasis . . . . . 12	Torticollis . . . . . 6
Rheumatism . . . . . 49	Tumor of brain . . . . . 1
Rhinitis . . . . . 11	Ulcer, simple . . . . . 2
Rubeola . . . . . 61	Urethritis . . . . . 1
Ruptured ear-drum . . . 3	Urticaria . . . . . 11
Scabies . . . . . 2	Vaccinia . . . . . 2
Scarlatina . . . . . 1	Varicella . . . . . 6
Sprain . . . . . 36	Vertigo . . . . . 23
Stomatitis . . . . . 5	Wounds, incised . . . . . 12
Stye . . . . . 12	“ infected . . . . . 2
Synovitis . . . . . 2	“ lacerated . . . . . 22
Thyroid, enlarged . . . 2	“ punctured . . . . . 4
Tinea tonsurans . . . . 6	
“ versicolor . . . . . 1	2542
Tonsils, hypertrophied . 15	Remaining over from last
Tonsillitis, acute . . . . 221	year . . . . . 26
<i>Carried forward</i> . . 2304	Total . . . . . 2568

Six deaths, resulting from the following causes, occurred during the year :

Malignant endocarditis . . . . .	2
Pericarditis . . . . .	1
Phthisis pulmonalis . . . . .	1
Pyæmia . . . . .	1
Tumor of the brain . . . . .	1

The addition of an operating room to the Infirmary equipment aids in facilitating and concentrating our work.

Of the year's five successful operations for acute appendicitis the last two were performed in the Infirmary operating room.

Respectfully submitted,

WM. S. JANNEY,  
*Visiting Physician.*

H. G. FRETZ,  
*Resident Physician.*

PHILADELPHIA, January 21st, 1904.

A. H. FETTEROLF, Ph. D., LL. D.,

*President.*

DEAR SIR :—I have the honor to report that the expenditures for Subsistence during the year ended November 30th, 1903, amounted to \$113,354.78, accounted for as follows :—

Almonds, p. s. . . . .	399	pounds . . . .	\$54 11
Apricots . . . . .	581	" . . . .	66 85
Apple butter . . . . .	6,208	" . . . .	577 90
Apples, dried . . . . .	550	" . . . .	32 22
Bacon . . . . .	1,674	" . . . .	197 57
Baking powder and soda	321	" . . . .	73 82
Barley . . . . .	220	" . . . .	6 18
Beans, dried . . . . .	86 $\frac{6}{10}$	bushels . . . .	193 86
Beef, chucks . . . . .	123,879	pounds . . . .	7,828 37
Beef, corned . . . . .	82,450	" . . . .	5,771 61
Beef, dried . . . . .	443 $\frac{1}{2}$	" . . . .	69 18
Beef, round . . . . .	260	" . . . .	24 70
Beef, roast . . . . .	38,185	" . . . .	4,027 16
Beef, steak, sirloin . . .	19,009	" . . . .	2,844 26
Beef, steak, rump . . .	16,337 $\frac{7}{8}$	" . . . .	1,918 47
Brandy, wine, whiskey .	23	gallons . . . .	73 00
Buckwheat . . . . .	1,911	pounds . . . .	53 70
Butter . . . . .	41,399	" . . . .	11,396 45
Cherries, canned . . . .	40	dozen . . . .	95 00
Cheese . . . . .	3,858	pounds . . . .	509 59
Chicken . . . . .	13,842	" . . . .	2,241 63
Chocolate and cocoa . .	216	" . . . .	57 21
Cider . . . . .	156	gallons . . . .	20 51
Coffee, green . . . . .	18,496	pounds . . . .	1,248 18
Coffee, roasted . . . . .	40	" . . . .	13 75
Corn, canned . . . . .	662	dozen . . . .	710 84
Cornmeal . . . . .	1,700	pounds . . . .	30 45
Cracker dust . . . . .	282 $\frac{1}{2}$	" . . . .	9 83
Crackers and cakes . . .	7,140 $\frac{1}{4}$	" . . . .	571 88
*Currants . . . . .	250	" . . . .	16 26

*Amount carried forward . . . . .* \$40,734 54



<i>Amount brought forward</i> . . . . .		\$40,734 54
Eggs . . . . .	11,724 dozen . . . . .	2,493 38
Farina . . . . .	18 " . . . . .	25 20
Fish . . . . .	. . . . .	1,445 41
Flour . . . . .	1,993 $\frac{1}{4}$ barrels . . . . .	7,087 33
Gelatine . . . . .	10 gross . . . . .	186 64
Gherkins . . . . .	11 dozen bottles . . . . .	22 72
Hams . . . . .	68,660 pounds . . . . .	9,440 54
Hominy . . . . .	800 " . . . . .	16 77
Ice . . . . .	754 $\frac{543}{2000}$ tons . . . . .	2,958 37
Ice cream . . . . .	. . . . .	702 39
Lamb . . . . .	. . . . .	1,212 84
Lard . . . . .	7,780 pounds . . . . .	1,033 12
Liver . . . . .	1,447 $\frac{1}{4}$ " . . . . .	176 53
Macaroni . . . . .	450 " . . . . .	29 90
Malta Vita . . . . .	83 cases . . . . .	365 20
Marketing, as follows :—		
Apples . . . . .	\$844 68	
Bananas . . . . .	407 62	
Berries . . . . .	992 45	
Cherries . . . . .	96 52	
Cranberries . . . . .	126 78	
Citron . . . . .	9 05	
Grapes . . . . .	512 01	
Lemons . . . . .	124 47	
Oranges . . . . .	590 76	
Melons . . . . .	118 72	
Peaches . . . . .	68 09	
Plums . . . . .	142 42	
Pears . . . . .	315 79	
Potatoes, white . . . . .	4,188 97	
Potatoes, sweet . . . . .	263 09	
Vegetables, &c. . . . .	5,648 52	
		14,449 94
Milk . . . . .	199,454 $\frac{1}{2}$ quarts . . . . .	9,935 94
Mince meat . . . . .	1,840 pounds . . . . .	189 16
<i>Amount carried forward</i> . . . . .		\$92,505 92

<i>Amount brought forward</i> . . . . .		\$92,505 92
Molasses . . . . .	1,420½ gallons . . . .	492 04
Mutton . . . . .	28,435 pounds . . . .	2,760 08
Oatmeal . . . . .	42½ barrels . . . .	215 02
Olive oil . . . . .	24 dozen bottles . . .	204 00
Oysters and clams . . . . .		746 68
Peaches, canned . . . . .	804 dozen . . . .	1,294 60
Peaches, dried . . . . .	1,250 pounds . . . .	78 49
Pears, canned . . . . .	108 dozen . . . .	240 40
Peas, canned . . . . .	912⅔ " . . . .	780 26
Peas, dried . . . . .	54½ bushels . . . .	90 86
Pickles . . . . .		305 50
Pork . . . . .	5,369 pounds . . . .	547 87
Prunes . . . . .	3,775 " . . . .	210 11
Preserves . . . . .	2,840 " . . . .	426 00
Raisins . . . . .	1,197 " . . . .	107 42
Rennet . . . . .	10 dozen bottles . . .	10 60
Rice . . . . .	6,982 pounds . . . .	350 66
Salt . . . . .	93 sacks . . . .	93 45
Sauer kraut . . . . .	8 barrels . . . .	53 00
Sausage . . . . .	3,723¾ pounds . . . .	542 64
Scrapple . . . . .	3,344 " . . . .	234 04
Spices and dried herbs . . . . .		158 00
Starch, corn . . . . .	800 pounds . . . .	37 39
Sugar, "B" . . . . .	60,218 " . . . .	2,707 08
Sugar, granulated . . . . .	36,482 " . . . .	1,726 84
Sugar, pulverized . . . . .	2,066 " . . . .	102 89
Tapioca . . . . .	675 " . . . .	25 09
Tea . . . . .	3,545½ " . . . .	722 89
Tomatoes, canned, gal. . . . .	457 dozen . . . .	1,185 25
Tongues . . . . .	44⅙ " . . . .	331 13
Tripe . . . . .	952 pounds . . . .	76 16
Turkeys . . . . .	6,964 " . . . .	1,428 95
Vanilla and other extracts, . . . . .	23 quarts . . . .	40 25
Veal . . . . .	822 pounds . . . .	101 94
Vinegar, cider . . . . .	811½ gallons . . . .	121 79
Yeast . . . . .	1,627 pounds . . . .	244 05
Collation, Founder's Day, May 20th . . . . .		1,700 00
Sundry subsistence . . . . .		355 44
Total . . . . .		<u>\$113,354 78</u>

The average number of boys maintained during the year was 1519, making the cost of subsistence *per capita* \$74.62. In these figures the cost of subsistence of officers and employees and of the Cadet encampment at Island Heights, N. J., is included.

During the year the usual ordinary repairs were made to the various buildings, and they are generally in excellent condition.

Building No. 7, occupied by 320 of our youngest boys, was thoroughly renovated and greatly improved. New maple floors were laid in the corridors on the second and third floors, and in the school and section rooms. The walls of the Kitchen were tiled, and the whole interior repainted. The building is now in splendid repair, and the bright cheerfulness of the various rooms occupied by the children is at once apparent to any one entering it.

There were no deaths among our employees during the year, and I take pleasure in testifying to the faithful discharge of duty by the foremen and workmen in the several departments.

Respectfully submitted,

FRANK O. ZESINGER,  
*Steward.*

## HEADQUARTERS CORPS OF CADETS.

GIRARD COLLEGE,  
PHILADELPHIA, PA., July 1st, 1903.

*Orders No. 234.*

I. By direction of the Board of Directors of City Trusts, the Girard College Cadets will, on July 7th, 1903, proceed by rail from Philadelphia, Pa., to Island Heights, N. J., and there go into camp.

II. The camp thus established will be named "Camp Stephen Girard."

III. At 6.30 A. M., July 7th, the battalion will be formed in line in front of building No. 5 (President's office). The route of march will be south on Corinthian Avenue to Fairmount Avenue, to Twenty-first Street, to Mt. Vernon, to Broad Street; Broad Street to the Pennsylvania Railroad Station, Broad and Market Streets. The Corps of Cadets of Girard College will upon arrival at the statue of the founder of the College, on west side of City Hall, render such appropriate ceremony as may be fitting they should in appreciation of all the benefits derived by them from his forethought and generosity.

Upon arrival at Island Heights the battalion will disembark, and form in line east of depot facing west.

Immediately upon arrival in camp the flag will be hoisted, the first relief of the guard posted, and the companies then stack arms in their company streets. The companies will march to dinner; after dinner the clothing and camp equipage will be distributed, and the tents put in order.

IV. The following regulations will be strictly observed during the encampment:

All entrance to and exit from the camp, for cadets, will be by the tent of the officer of the guard.

No cadet will leave camp without special permission.

No cadet will go in bathing out of the regular hours.

No cadet will be allowed in rear of the line of cadet officers' tents except to march to meals, visit the sinks, or to see the commanding officer.

Cadets desiring permission to leave camp will send their applications on the prescribed form, through their Captains, before 7.45 A. M.

Cadets on leaving camp will present their permits to the officer of the guard for examination. Upon returning to camp cadets will turn over to the officer of the guard their permits, who will indorse on the back thereof the time of return. These permits will be returned daily to the commanding officer by the old officer of the day, immediately after guard mounting, with the guard report-book.

The band will practice during the prescribed drill hours.

For minor offences cadets will be deprived of their privileges.

For serious breaches of discipline cadet officers will be placed in "officers' arrest" and confined to their tents; other cadets will be confined in the guard tent and have their meals sent to them.

Company morning reports must be at the Adjutant's tent before 7.45 A. M.

A guard consisting of a Captain as officer of the day, a Lieutenant as officer of the guard, one Sergeant, four Corporals, and forty-one privates will be mounted daily. At guard mounting the Adjutant will select the cleanest, neatest, and most soldierly private as Orderly for the Commanding Officer. (See pars. 182 to 191, "Manual of Guard Duty.") The guard will be divided into four reliefs, and the time divided equally among them, so that each relief shall walk post one hour at a time.

Cadets on guard will, when not on post, remain at the guard tents, except during the necessary time at meals, unless given permission to be absent for a necessary purpose by the officer of the guard.

During meal times one non-commissioned officer of the guard and two privates will remain at the guard tents. The other members of the guard, except the relief on post, will be marched in details by the senior members to their company mess tents at the proper time for meals. After the regular meal is over, the relief on post and the other members of the guard will march to (Band) mess tent for their meal.

The officer of the day and the officer and members of the guard will not leave the limits of the camp during their tour without special orders of the Commanding Officer.



Challenging will commence immediately after taps.

Between tattoo and broad daylight a countersign will be used to pass all persons except camp employees. These latter will be passed upon recognition.

A trumpeter will be detailed daily to sound the prescribed calls, and a drummer will be detailed daily to act as orderly for Adjutant's office. They will be carried on the guard report as musicians of the guard.

The following calls will be sounded by the trumpeter, under the supervision of the officer of the guard, who is held responsible that they are sounded at the right time :

	A. M.		P. M.
First call for reveille . . . . .	5.45	First call for drill . . . . .	4.20
Reveille . . . . .	5.55	Assembly (Battalion drill) . . .	4.30
Assembly . . . . .	6.00	Recall . . . . .	5.15
Mess call . . . . .	6.25	First call for parade . . . . .	5.30
Assembly for breakfast . . . . .	6.30	Assembly . . . . .	5.35
Fatigue call . . . . .	7.00	Adjutant's call . . . . .	5.40
Sick call . . . . .	7.00	Mess call . . . . .	6.25
First call for drill . . . . .	7.10	Assembly (for supper) . . . . .	6.30
Assembly (Company drill) . . . . .	7.15	First call (for Tattoo) . . . . .	8.30
Recall from drill . . . . .	8.00	Tattoo . . . . .	8.40
Guard mounting . . . . .	8.20	Assembly for roll call . . . . .	8.45
Assembly . . . . .	8.25	Taps . . . . .	9.15
Adjutant's call . . . . .	8.30	Band concert daily. . . . .	7.30
Water call (for swimming) . . . . .	10.25		
Assembly . . . . .	10.30	BATTALION INSPECTION SATURDAYS.	
Recall . . . . .	11.30		
First Sergeant's call . . . . .	11.45		A. M.
Mess call . . . . .	11.55	First call . . . . .	7.45
Assembly (for dinner) . . . . .	12.00	Assembly . . . . .	8.00
		Drill calls will not be sounded on Saturdays or Sundays.	

First Sergeants will march their companies to and from meals.

At sick call, cadets desiring medical attendance will report to their First Sergeants, who will send them to the hospital in charge of a non-commissioned officer. (This does not apply to cadet commissioned officers.)

After guard mounting the officer of the day will instruct the members of the guard in their duties as guards and sentinels, and will see that they thoroughly understand said duties.

A report of all delinquencies will be sent to the Commanding Officer with the morning reports.

*No punishments will be given unless first approved by the Commanding Officer.*

First Sergeants will march their companies to and from swimming. The officer of the day will be present during the bathing hour. He will be held responsible for proper conduct during that time, and will see that all orders on the subject are strictly complied with by the cadets.

A double line of buoys will be anchored. Small cadets will not go beyond the inner line of buoys, and no cadet will be allowed to go beyond the outer line of buoys.

Mr. Jacob Smith is announced as swimming master ; all orders given by him during the swimming hours will be obeyed promptly by any and all cadets.

By order of

MAJOR CAVENAUGH,

(Signed) SAMUEL A. KING,  
*First Lieutenant and Adjutant.*

Official :

S. A. KING,  
*First Lieutenant and Adjutant.*

## HEADQUARTERS CORPS OF CADETS.

GIRARD COLLEGE,  
PHILADELPHIA, PA., October 15th, 1903.

A. H. FETTEROLF, PH. D., LL. D.,  
*President Girard College, Philadelphia, Pa.*

SIR:—I have the honor to submit the following report in connection with the camp of the Girard College cadets:—

In accordance with the orders herewith enclosed, the Battalion, consisting of six companies, band and field music, left the College at 6.30 A. M., July 7th, and marched to the Pennsylvania Railroad, Broad Street Station, halted at the statue of Stephen Girard, situated on the west side of the City Hall, where a simple ceremony was gone through with by the corps of cadets of the College, after which they were embarked upon a special train in waiting; left station at 8.00 and arrived at Island Heights about 11.00 A. M. On arrival at depot at Island Heights the Battalion was formed and marched to the site where the former camps had been established. After going through the ceremony of raising the flag the Battalion was dismissed. After issuing the necessary camp and tent equipment the camp was put in order.

The camp guard was formed and sentinels posted, which important duty was performed in a thorough and satisfactory manner during the whole time of the encampment.

Drills were held in the morning, succeeded by the ceremony of guard mounting. The afternoon drills and parade were witnessed by many persons from the town of Island Heights and surrounding country.

A sail boat was in use twice daily, of the capacity of about one-half company, thereby enabling us to send at least one company on a pleasure trip down the bay each day, which sail was thoroughly enjoyed by the cadets.

The report of Dr. H. G. Fretz is herewith submitted.

The hospital used was a building near the camp, in fact the same building used in former years; it is gradually de-

teriorating, notwithstanding which its use as a hospital has been very satisfactory, owing to the care and attention of the employees connected therewith. The camp surgeon and the nurses performed their duties in the most thorough manner, and should be congratulated upon the small percentage of serious sickness.

Mr. Frank O. Zesinger, steward of the College, had charge of the establishment of the camp, as quartermaster and commissary, which duty was performed in a thoroughly business-like and economical way. The employees were very reliable, quiet and orderly in camp, and attended well to their duties.

The mosquitoes were so bad this year that had they continued in the swarms in which they first appeared I would have recommended that the Battalion be ordered to return to the College. The boys could get no rest either day or night, especially at night, and the pleasure usually derived from the summer camp was not so great as in former years. I had, to a great extent, to overlook the wandering around the camp after taps, and upon my asking what they were doing out of their tents, replied that they could not sleep. The result was the duties were not so well performed, nor were the drills entered into with that spirit heretofore shown, the only reason being that not getting their required sleep and rest the cadets were worn out and listless, but through no fault of their own.

I submit herewith synopsis of the daily routine during the encampment:—

*July 7th.*—Left College at 6.30 A. M., Broad Street Station 8 A. M. Arrived at camp about 11. Settled camp. Took the boys to swim at 3 P. M.

Hon. Edwin S. Stuart, Chairman of the Military Committee, Mr. Alfred Moore, member of the Board of Directors of City Trusts, and Mr. Frank M. Highley, Secretary of the Board, accompanied the Battalion to camp. They returned to Philadelphia in the evening.

*July 8th.*—Usual camp duties performed. Company drill, Guard mount, Battalion drill, Parade, Swimming 10.30 A. M. Weather very warm. Mosquitoes very bad.

*July 9th.*—Company drill, swimming. No Battalion drill on account of heat. Parade in the evening. Thermometer 98° at 2 P. M.

Captain W. E. Horton, Quartermaster, United States Army, visited camp.

*July 10th.*—General Louis Wagner, President of the Board of Directors of City Trusts, arrived in camp and remained until July 11th.

Mr. John M. Campbell, member of the Board, and Mr. Frank M. Highley, Secretary of the Board, visited camp during the day.

Usual routine camp duties performed. Mosquitoes very bad.

*July 11th.*—Saturday morning inspection and usual camp duties performed. It commenced to rain during the afternoon; heavy storm.

Visitors at camp: Mr. John M. Campbell, Dr. Kemp, Mr. E. B. McCarthy, Mr. Wilson, and Mr. McNamee.

*July 12th.*—Divine services in the morning by a minister from Island Heights. Only guard duty performed. Rain during the afternoon and all night.

Mr. Ernest Cunningham, Mr. William H. Evans, and Mr. Harry Hauger visited camp.

*July 13th.*—Rain during the morning. No drills on that account. Drill in the afternoon, Butt's Manual instead of Battalion drill. Parade in the evening.

*July 14th.*—Battalion Review, inspection and parade. Usual camp duties performed.

Mr. John H. Michener, member of the Board of Directors of City Trusts, Mr. Isaac P. Walker, and Mr. James McCalilon visited camp during the day.

*July 15th.*—Captain Archibald Campbell, Artillery Corps, United States Army, Special Inspector, arrived 11 A. M. Inspected Battalion.

Ceremony of Review. Company drill, close and extended order, Butt's Manual, Battalion drill, all very well performed. Inspected Company streets and tents, hospital, sinks, and camp generally. Weather very good. Thermometer 58° at 11 P. M.



Miss Shreve, Matron of Girard College, accompanied by Miss Ross, Miss Overn, Miss Tucker, and Miss Miller, of Girard College, also Mr. Coggeshall, of the College.

*July 16th.*—Drills and usual routine duties performed. Weather good. Thermometer at reveille 59°.

Mr. Andrew Macdonald visited camp.

*July 17th.*—Broke camp at 1.45 P. M. Left Island Heights at 2.55, arrived at Girard College about 6 P. M.

Attention is respectfully invited to the report of the Special Inspector, Captain Archibald Campbell, A. C., U. S. Army.

The number of cadets taken to camp was 461, which is about fifty (50) less than last year, the loss by discharge of those leaving the College and those excused for physical disability being greater than in former years.

There is no doubt but that the summer encampment has a very beneficial effect and is generally much appreciated by the members of the Battalion.

I am, sir, very respectfully,

H. G. CAVENAUGH,

*Major, United States Army, Professor  
Military Science and Tactics.*

## CATALOGUE OF PUPILS

Whose Indentures were Canceled during the Year 1903 to enable them to accept positions.

<i>Name.</i>	<i>Occupation.</i>	<i>Employer.</i>	<i>Address.</i>
<b>Adair, Joseph T.</b>	Elevator Boy,	Alfred F. Moore,	200 North 3rd St.
Apple, George L.	Errand & Store Boy,	Isaac Remington,	1407 Chestnut St.
<b>Bagans, Charles B.</b>	Sheet-iron worker,	Link Belt Engineering Co.,	Nicetown, Phila.
Bair, Harry M.	Factory Boy,	Inland City Cigar Box Co.,	709 N. Queen St., Lancaster,
Beam, Walter I.	Stenographer,	Penna. R. R. Co.,	Broad St. Station. [Pa.
Bell, Thomas		To mother.	
Binder, Burdan M.	Factory Boy,	H. H. Owen,	Pottstown, Pa.
Blair, Charles H.	Factory Boy,	John McBrearty,	S. E. Cor. Broad & Hamilton
Bleuit, George W.	Order Boy,	Supplee Hardware Co.,	503 Market St. [Sis.
Bolden, Charles S.		To mother.	
Bothell, Charles A.	Stenographer,	Murdock Kendrick, Esq.,	815 Crozer Bldg.
Boyer, Walter C.	Errand Boy,	J. S. Wentz & Co.,	Hazle Brook, Pa.
Brandt, William B.	Stenographer,	Alfred Tucker & Co.,	213 Harrison Bldg.
Brandt, William F.	Store & Errand Boy,	August Enderiss & Son,	104 S. Second St.
Breisch, George P.	Errand Boy,	Yeo & Lukens,	613 Walnut St.
Brinton, Leonard	Plumber,	Dougherty & Dean	815 S. 4th St.
Britton, Edwin H.	Messenger,	Commonwealth Title Insurance and Trust Co., 1201 Chestnut St.	
Brown, William Ray		To sister,	
Bubeck, John F.		To grandfather.	
Burger, Charles H.	Factory Hand,	North Bros. Mfg. Co.,	Lehigh Ave. & American St.
<b>Carre, Edward D.</b>		To mother.	
Casper, Raymond E.	Broom maker,	Wilson E. Schmick,	Hamburg, Pa.
Chadwick, George R.	Office Boy,	Frank G. English,	1625 Thompson St.
Christian, Morton T.		To mother.	
Christman, Charles N.	Stenographer,	William Thompson,	64 N. 2nd St.
Clark, Andrew J.		To mother.	
Clark, Henry	Store Boy,	Edward E. Smith,	1028 Arch St.
Clark, William John	Stock Boy,	Joel Baily Davis Co.,	606 Market St.
Clarke, James W.	Arc-lamp maker,	C. J. Toerring Co.,	19th St. & Lehigh Av.
Collins, William T.	Store & Errand Boy,	Geo. Miller & Son Co.,	255 S. 3rd St.
Connelly, William		To mother.	
Cook, Charles G.	Clerk,	Jacob Reed's Sons,	1412 Chestnut St.
Cooper, Benjamin H.	Farmer,	John Nivin,	Newark, Del.
Curtin, Bernhard	Factory Boy,	Gideon Sibley,	1214 Filbert St.
<b>Daisey, Elmer</b>	Office Boy,	Atlantic Ref. Co.,	8th St. & Duquesne Way, [Pittsburg, Pa.
Davidson, Benjamin	Errand & Store Boy,	Abram Kemp,	1641 Germantown Ave.
Davison, John T.		To mother.	
Dessalet, William B.		To mother.	
Devlin, George A.	Clerk,	Barrett Mfg. Co.	Land Title Bldg.
Diemand, John A.	Stenographer,	Knickerbocker Lime Co.,	24th & Callowhill Sts.
Dixey, William R.	Office Boy,	Schade & Marshall,	319 Harrison Bldg.
Dougherty, Charles	Clerk,	Union Surety & Guaranty Co.,	1428 Chestnut St.

## INDENTURES CANCELED.

<i>Name.</i>	<i>Occupation.</i>	<i>Employer.</i>	<i>Address.</i>
Dougherty, Hugh	Braille printer,	Penna. Inst. for the Blind,	Overbrook Pa.
Dougherty, Stephen	Draughtsman	Wm. Wharton, Jr. & Co. Inc.,	25th St. & Wash'n Av.
Dowd, Thomas V.	Messenger,	Burnham Williams & Co.,	500 N. Broad St.
Dowdell, Samuel G.		To mother.	
Dunk, Emanuel M.	Tilemaker,	Walter Laffever,	Tullytown, Pa.
<b>Eisenhardt, Fred'k</b>	Machinist,	Henry Disston & Sons, Inc.,	Tacony, Phila.
Evans, Yorath D.	Machinist,	Sheldon Axle Co.,	Wilkes-Barre, Pa.
<b>Faddis, James M.</b>	Boiler maker,	Coatesville Boiler Works,	413 Main St., Coatesville, Pa.
Fenstermacher, Albert K.	Shipping clerk,	George B. Wells,	1301 Market St.
Ferris, Joseph	Store Boy,	H. M. Parmley Estate,	238 W. Centre St., Mahanoy City, Pa.
Findeisen, Philip F.	Errand Boy,	Benkert & Co.,	1104 Chestnut St. [Pa.
Fitting, Samuel E.	Machinist,	Harrisburg Foundry & Mach. W'ks,	1306 Vernon St., Harrisburg,
Fitting, William H.	Errand Boy,	Meth. Book Room,	816 N. 6th St., Harrisburg,
Floto, Oscar J.	Hat finisher,	John Hendel's Sons,	Reading, Pa. [Pa.
Ford William	Wagon Boy	John Wanamaker,	City Hall Square.
Fraser, Frank E.		To mother.	
Fredericks, Robert	Stenographer,	Fidelity Mutual Life Ins. Co.,	112 N. Broad St.
Frith, James S.		To mother.	
Fritz, Joseph M.	Plumber,	W. B. Urquhart,	Moorestown, N. J.
Fuigle, Charles W.	Stenographer,	Burnham Williams & Co.,	500 N. Broad St.
<b>Galbraith, Harry R.</b>	Salesman,	Charles G. Artzt,	206 S. 4th St.
Geikler, Amos K.	Tag cutter,	Reyburn Mfg. Co.,	19th St. & Allegheny Ave.
Goucher, Howard N.	Store Boy,	Wanamaker & Brown,	6th and Market Sts.
Goudge, John C.		To mother.	
Gresens, William H.	Order Boy,	Supplee Hardware Co.,	503 Market St.
Gress, Abraham M.		To mother.	
Gundry, William H.		To mother.	
<b>Hahn, Louis</b>	Errand Boy,	Arthur H. Thomas Co.,	1200 Walnut St.
Hahn, Raymond	Rivet heater,	Harrisburg Mfg. & Boiler Co.,	19th & Derry Sts., Harrisb'g,
Haldeman, Edward	Shipping Clerk,	Charles Hale & Bro.,	25 S. 2nd St. [Pa.
Hanna, William J.	Stenographer,	J. M. Guffey Petroleum Co.,	621 Mariner & Merchant Bld.
Hardie, Augustus B.	Ass't to Bookkeeper,	Queen & Co., Inc.,	819 Filbert St.
Harvey, Francis A.	Electrician,	Keystone Telephone Co.,	16th & Summer Sts.
Henry, Franklin C.	Order Boy,	Supplee Hardware Co.,	503 Market St.
Henry, Harry H.	Clerk,	Boston & Phila. S. S. Co.,	Pier 18, S. Wharves.
Herr, Milton Y.	Hat sizer,	Chas. W. Hendel Co.,	Reading, Pa.
Herrmann, Daniel W.	Crane runner,	Ambridge Elec. Co.	Economy, Pa.
Hicks, Harry		To mother.	
Hill, William W.		To mother.	
Hodgkiss, William H.	Messenger,	Penna. R. R. Co.,	Tacony Sta., Phila.
Hoffman, John S.	Bronzer,	The Edgell Co.,	13th & Hamilton Sts.
Holden, William H.		To mother.	
Hormann, Lynn W.	Core maker,	Jas. Barker Iron Works,	6th & Cayuga Sts.
Horre, Rudolph H.	Ast. in Del. Dep't,	Phila. Inquirer Co.,	1109 Market St.
Howard, Lamertine S.	Silk weaver,	Ashley & Bailey Co.,	Columbia, Pa.
Huntzinger, Charles L.		To mother.	
<b>Ivory, Harrison C.</b>		To mother.	
<b>Jacobs, Walter R.</b>	Office Boy,	A. Jacobson,	Mechanicsburg, Pa.
<b>Kane, William R.</b>	Stenographer,	Athletic Assn., U. of Pa.	Franklin Field.
Kelly, Robert C.	Store Boy,	Supplee Hardware Co.,	503 Market St.
Kienzle, Robert S.		To mother.	
King, John	Slate picker,	Reading Coal Co.,	Shenandoah, Pa.
King, Samuel A.	Clerk,	M. F. Barringer,	416 Bourse Bldg.

## INDENTURES CANCELED.

<i>Name.</i>	<i>Occupation.</i>	<i>Employer.</i>	<i>Address.</i>
<b>Lake, James G.</b>	Factory Boy,	Henry H. Sheip Mfg. Co.,	529 Columbia Ave.
Lees, Robert	Spinner,	Ontario Mills,	2d St. & Columbia Av.
Levy, Sydney J.	Clerk,	Henry J. Walter,	242 N. Franklin St.
Lush, John C.		To mother.	
Lyshon, William J.	Messenger,	Bell Telephone Co.,	11th & Filbert Sts.
<b>McCloy, Hugh</b>	Plumber,	Armbrust & McGurk,	1936 Christian St.
Mahoney, William J.	Shop & Errand Boy,	Louis Dreka,	1121 Chestnut St.
Manion, Martin	Ass't to shipfitter,	U. S. Navy,	Bremerton, Wash'n.
Manlove, Earl G.	Errand Boy,	James P. Kincaid,	3651 Filbert St.
Marshall, William S.	Wrapper,	Wright, Tyndale & Van Roden,	1212 Chestnut St.
Matthews, Alfred P.	Plumber,	Bryn Mawr College,	Bryn Mawr, Pa.
Mayer, David N.		To mother.	
Meyer, Charles B.		To mother.	
Miller, Paul		To mother.	
Miner, Nicholas J.	Factory Boy,	Henry H. Sheip Mfg. Co.,	529 Columbia Ave.
Moldenhauer, Carl W.,	Office Boy,	Edwin H. Fidler Co.,	23 N. Water St.
Moore, George D.	Messenger,	Phila. & Reading Ry. Co.,	2665 Richmond St.
Morley, Harrison M.	Factory Boy,	C. J. Toerring Co.,	19th St. & Allegheny Ave.
Morrison, John	Factory Boy,	Singer Mfg. Co.,	Elizabeth, N. J.
Munter, Louis	Stock Boy,	Joel Baily Davis Co.,	606 Market St.
<b>Nace, Harvey</b>	Wood-worker,	Hall Bros. & Wood,	54th St. & Lancaster Ave.
Nattress, Earl R.	Electrician,	Manhattan Elec. Supply Co.,	73 Morris St., N. Y.
Nice, Richard	Rubber tender,	James Moonan,	Lambertville, N. J.
Nichols, George W.	Plumber,	Louis Wanner,	33 S. 17th St.
Nowatny, Adolph L.	Engraver,	Keystone Watchcase Co.,	19th & Brown Sts.
<b>Orr, Alfred J.</b>	Office & Errand Boy,	Supplee Hardware Co.,	503 Market St.
Osborn, Samuel	Machinist,	B. R. & P. Loco. Works,	DuBois, Pa.
Owens, Harry T.	Office Boy,	Charles R. Pancoast,	1213 Filbert St.
Patterson, Robert J.	Collector & Solicitor,	Colonial Life Ins. Co.,	1327 Columbia Ave.
Pattison, Joseph R.	Errand Boy,	Charles R. Pancoast,	1213 Filbert St.
Peck, John W.	Store Boy,	Fred'k D. Losier & Co.,	Brooklyn, N. Y.
Poorman, Albert L.		To mother.	
Rahner, Louis H.	Bronzer,	The Edgell Co.,	13th & Hamilton Sts.
Ramer, Harvey	Messenger,	Amer. Iron & Steel Mfg. Co.,	Reading, Pa.
Ramer, Herbert	Lock Polisher,	Penn Hardware Co.	Reading, Pa.
Rebmann, Godfried	Printer,	Henry H. Roelofs & Co.,	12th & Brown Sts.
Rementer, Walter W.	Machinist,	Phila. Lawn Mower Co.,	3107 Chestnut St.
Robinson, John D.	Office & Errand Boy,	A. F. McCarty & Co.,	514 Heed Bldg.
Rosewarne, Albert		To Mother.	
Russell, Joseph	Factory Boy,	Gustav A. Bisler,	249 N. 6th St.
<b>Sarwick, George F.</b>	Office Boy,	Odiorne & Longstreth,	427 Walnut St.
Schopbach, Chas. H.	Clerk,	The North American,	Broad & Sanson Sts.
Schwenk, Ernest L.	Errand Boy,	Joseph Zentmayer,	226 S. 15th St.
Scott, William	Electrician,	Lorain Steel Co.,	Lorain, Ohio.
Sechrist, Raymond	Iron worker,	Amer. Sheet Steel Co.,	Scottdale, Pa.
Shaw, Henry A.	Thread cutter,	Stanley G. Flagg & Co.,	424 N. 19th St.
Shelley, Joseph J.		To mother.	
Shives, William J.	Store & Errand Boy,	Penn Publishing Co.,	923 Arch St.
Smith, Charles R.	Office Boy,	Supplee Hardware Co.,	503 Market St.
Smith, Phalanda S.	Store Boy,	Joel Baily Davis Co.,	606 Market St.
Smith, William	Errand & Store Boy,	William Gordon,	1330 S. 22nd St.
Smith, William D.	Upholsterer,	Alexander Andrew,	1638 Market St.
Snyder, Charles M.	Printer,	Stephen M. Paschall,	1111 Arch St.
Spindler, Frank	Ass't Chemist,	Episcopal Hospital,	Front St. & Lehigh Ave.

## INDENTURES CANCELED.

<i>Name.</i>	<i>Occupation.</i>	<i>Employer.</i>	<i>Address.</i>
Stanton, Joseph E.	Clerk,	H. H. Barton & Son Co.,	222 Market St.
Stockholm, Charles G.	Stenographer,	Gulf Refining Co.,	621 Mariner & Merchant Bld.
Stofflet, Elmer J.	Elevator Boy,	Hess Bros.,	831 Hamilton St., Allentown,
Stouffer, Willard L.	Engine cleaner,	Penna. R. R. Co.,	Kipple, Pa. [Pa.
Swingle, Frederick A.	Store Boy,	Sibley, Lynn & Kerr,	Rochester, N. Y.
<b>Taggart, Wm. B. H.</b>	Slate picker,	Mt. Hope Coal Co.,	St. Clair, Pa.
Tatem, William G.	Clerk,	Lewis C. VanRiper,	108 Fulton St., N. Y.
Terry, Walter H.	Store Boy,	Mrs. Mary Terry,	1800 Oxford St., Fkd.
Tourish, John	Clerk,	Freihofer Vienna Bak. Co.,	24th & Master Sts.
Trumbauer, Oswin	Clerk,	Butler, Thomas & Co., Ltd.,	25 N. 4th St.
Tyson, Raymond L.	Monitor,	John Wanamaker,	City Hall Square.
Vanderhylen, Gustavus G.		To mother.	
Varshofsky, Joseph	Errand Boy,	Gen'l Engineering Co.,	764 S. Swanson St.
<b>Wahl, Walter H.</b>	Electrician,	Bell Telephone Co.,	17th & Poplar Sts.
Washingier, Charles P.		To uncle.	
Wear, Leslie M. S.	Wrapper,	Strawbridge & Clothier,	8th & Market Sts.
Weir, Clarence H.	Office Boy,	George P. Pilling & Son,	23d & Arch Sts.
Weiss, Benjamin H.	Messenger,	Keystone Watchcase Co.,	19th & Brown Sts.
Welker, Samuel J.		To mother.	
Werner, George H.	Machinist,	Burnham, Williams & Co.,	500 N. Broad St.
Wertley, Lewis H.	Laster,	Hamburg Shoe Co.,	Hamburg, Pa.
Weyman Elmer		To mother.	
Wilmer, William F.	Creeler,	Ivins, Dietz & Metzger Co.,	650 Lehigh Ave.
Wintersteen, Edw. E.	Student,		Port Carbon, Pa.
Witherington, John H.	Store Boy,	E. McC. Yerkes,	1113 Cherry St.
Wunderlich, Robert O.	Office & Errand Boy,	Hare & Chase,	415 Walnut St.
Wylde, William	Clerk & Errand Boy,	Inter. M. M. Co.,	305 Walnut St.
Young, John A.	Factory Boy,	Smaltz Goodwin Co.,	1101 Race St.
Zeller, Jay H. B.	Order Boy,	Supplee Hardware Co.,	503 Market St.



## CATALOGUE OF APPRENTICES,

DECEMBER 31, 1903.

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<i>Name.</i>	<i>Date of Birth.</i>	<i>Occupation.</i>	<i>Master.</i>	<i>Residence.</i>
<b>*Baldwin, Geo. F.</b>	June 10, 1886,	Farmer,	Clyde W. Seymour,	Atglen, Pa.
<b>Lanyon, Chas. E.</b>	Dec. 7, 1883,	Druggist,	Mortimer H. Bickley,	Chester, Pa.
<b>McCloskey, Geo.</b>	July 31, 1884,	Salesman,	J. George Weber,	1144 Tioga St.
<b>Peck, Charles D.</b>	Feb. 6, 1885,	Farmer,	Mrs. Juliett Peck,	Sylvania, Pa.

\*Until eighteen years of age.

**STAR SCHOLARS FOR 1903.**

Star Scholars are those pupils of the Fourth and Third Forms whose averages for recitations have been 8.50 or above for the year, on a scale from zero to ten (10.00).

BECK, RAYMOND STEWART	JORDAN, WILLIAM
BUNGE, RALPH	MARGERUM, ROBERT LEHMANN
CRAWFORD, JOHN LEROY	MENGES, WILLIAM
DALLAS, WILLIAM HALPIN	PIERCE, JAMES HARVEY
DENWORTH, HUGH FREDERICK	REINHOLD, FRANCIS HERMAN
DOWNS, CLARENCE LAVALETTE	ROBINSON, JOHN EDWIN
EYRE, CHARLES	SCHWARZ, HENRY FREDERICK
FABER, CASPER	SICKEL, GEORGE BENSON
FREY, HERBERT OSWIN	SMITH, CHARLES CRANDOL
FRYMYER, HOWARD	STARR, WILLIAM HARVEY
GILBERT, HAROLD MITCHELL	TEETS, JOHN ALFRED
HART, ELLWOOD BEAVER	TROUTMAN, HARVEY ANDREW
HOUDER, JOHN BURTON	WALTERS, CHARLES HENRY
JOHNSON, FRANCIS TROUT	WENTZ, FRANK REUBEN

## CLASSES OF HONOR.

The Third, or highest, Class of Honor comprises all pupils of the Fourth and Third Forms whose conduct for the year is represented by 9.60 or more, on a scale from zero to ten ; the Second, all whose conduct is marked from 9.30 to 9.60 ; and the First, all whose conduct is marked from 9.00 to 9.30.

### THIRD CLASS.

BEANS, RUSSELL PAUL	McCLAIN, THOMAS WIGGINS
BECK, RAYMOND STEWART	MARGERUM, ROBERT LEHMANN
BEEBY, VERNON STRICKLAND	MENGES, WILLIAM
BISHOP, JOHN	MUTH, CHARLES
BLAKEMORE, ALFRED POTTS	NEALEY, LOUIS ALFRED DEMAYO
CAIN, WILLIAM	NOLL, JOHN RAYMOND
CARLE, LOUIS FREDERICK	PARK, ALBERT DOAN
CLARENBACH, ALBERT AUGUST	PHILLIPS, ALBERT
CROOKS, JOSEPH WEAVER	PIERSOL, RICHARD JOHN
DALLAS, WILLIAM HALPIN	QUAY, WALTER HERBERT
DELUCA, ALEXANDER	REILLY, LEO
DENNY, ALEXANDER N.	SCHRANDT, WILLIAM FREDERICK
DINAN, EMLIN FRANKLIN	SCHWARZ, HENRY FREDERICK
DOUGHERTY, WILLIAM	SHARP, WILLIAM LINDSEY
DRUMMOND, WILLIAM DANIEL	SICKEL, GEORGE BENSON
FREY, HERBERT OSWIN	SNYDER, WILLIAM ROSCOE
GENTNER, LOUIS FREDERICK	STECKLINE, CHARLES EARL WASH- INGTON
GILPIN, CLIFFORD	STEIMLE, FREDERICK ADOLPH
HILL, WARREN	THORN, WILLIAM
HULTZ, JESSE GROVER	UMHOLTZ, CHARLES MORGAN
JONES, ISAAC	UMHOLTZ, WILLIAM HARRISON
KIMPEL, FRANCIS NICHOLAS	WARNER, JOHN MIFFLIN
KLEINHENN, RAYMOND	WELLS, CHARLES ALBERT
KLEINHENN, WALTER HENRY	WENRICK, EDWARD RANKIN
KOLB, CLIFFORD ELMER	WENTZ, ROY HIRAM
LEVITT, GEORGE ANDERSON	WILSON, ERNEST DAVID
LONG, CLARK SAMUEL	ZIMMERMAN, CLAUDE MOYER
LOVE, ROBERT	
MCCARTER, MATTHEW L.	

## SECOND CLASS.

BEACH, HARRY MERREL	KENNEDY, JOHN ALEXANDER
BECK, LEAR CASPER	KLING, DAVID KINZER
BERNHARDT, JOSEPH	LAFFERTY, HARRY JAMES
BLUMRICK, GEO. WASHINGTON MAX	LEWIS, DORA
BRADY, CHARLES WILLIAM	LONG, WILLIAM HOWARD
BREWER, CHARLES MILTON	MCCOY, CLARENCE ROBERT
BRINK, HARRISON MORTON	MARTIN, EDWARD BEASLEY
BRUCE, ROBERT MOORHEAD	MENDENHALL, HAYES COOKSON
BUNGE, RALPH	MILLER, FRANK SPATZ
CHRIST, LESLIE CARLISLE	MOHR, JAMES
CLOUD, JOSEPH	PIERCE, JAMES HARVEY
CONDON, JOHN	POWELL, JOHN HENRY
CRAWFORD, CHARLES MONROE	REDINGTON, EDGAR HARRISON
CUNNINGHAM, CONRAD CLAUDE	REINHOLD, FRANCIS HERMAN
DOSTER, GEORGE CHARLES	SANDERSON, JOHN
EHLERS, WILLIAM FRANKLIN	SEWARD, GEORGE WASHINGTON
EYRE, CHARLES	SHENK, RALPH
GUEST, BENJAMIN FRANKLIN	SOWERS, ELLSWORTH
HART, OSCAR STEINMETZ	STEHLE, SHERIDAN VALENTINE
HARTMAN, DANIEL WILFORD	TROUTMAN, FLOYD ALVIN
HELLER, HARRY	WALTERS, CHARLES HENRY
HENSZEY, ROY ORMONDE	WENTZ, FRANK REUBEN
HILDENBRAND, BERTRAM WILLIAM	WALLIS, WILLIAM STANLEY
HILDENBRAND, LEWIS EDWARD	WARNCKE, EDWARD ALBERT
HONICKER, FRANKLIN ADOLPH	WEAVER, DONALD LAMISON
HUNTER, ROBERT HENRY	WENRICK, WALTER BROKAW
JACOBS, FREDERICK ELLIS	WHITING, JOSEPH
JORDAN, WILLIAM	WOODS, HARRY

## FIRST CLASS.

ACKER, EARLE SWAVELY	KETH, FRANK HENRY
ALLEN, NATHAN ERRETT HERD-	LEIBGRIES, DAVID
MAN	McELROY, SAMUEL HATTON
AMOLE, WILLIAM	McGORVIN, RAYMOND
BAGANS, ARTHUR LAWRENCE	MACKIN, EVERETT ALLEN
BEATTY, JOSEPH	MAGEE, WILLIAM HARRISON
BOND, SILAS TORBERT	MALLAMS, CALVIN
BOYD, WILLIAM GORDON	MILLER, WILLIAM FRANCIS
BRUNNER, HARRY PINKERTON	MOLDENHAUER, GUSTAVE ADOLPH
HEINTZELMAN	MOORE, JEROME COOK
CADEN, RAY	NOLL, ELMER MOSES
CARLE, CHARLES DAYTON	PRITCHARD, THOMAS ARTHUR
CRAWFORD, JOHN LEROY	QUINN, THOMAS
CROOK, ROBERT ARTHUR	SCHMIDT, PHILIP
DALE, JAMES BYRON	SCOTT, ROBERT
DAVIS, ELLWOOD ALPHONSO	SIPLE, AMBROSE KERWIN AUGUS-
ENZ, WILLIAM FREDERICK	TUS
FOLEY, DENNIS JOSEPH	SLIFER, CLARENCE
FRANK, HARRY FRANKLIN	SNAPE, ORMONDE BARNES
FREY, GEORGE LEONARD	SNYDER, STANLEY HERBERT
GAUMER, HARVEY LEON	STARR, WILLIAM HARVEY
GEHRING, EDWARD CORNELIUS	STEWART, EARL CAMPBELL
GROSSER, CONRAD JACOB AUGUST	TEETS, JOHN ALFRED
HALL, JOHN JAMES	TONOLLA, JULIUS
HARDING, WILLIS WAYNE	TRUEMPY, GEORGE STANLEY
HART, ELLWOOD BEAVER	TURNER, JAMES WINDOLPH
HERRMANN, GEORGE ELLIOTT	WAKEMAN, EARLE ARTHUR
HOELTZLE, ALBERT CONRAD	WALGRAN, CHARLES OSCAR
HOUDER, JOHN BURTON	WILLIAMS, MAURICE
IRWIN, CLARENCE LOUGHRY	WOODSIDE, FRANK STANLEY
JOHNSON, FRANCIS TROUT	WRIGHT, GRANVILLE RANDOLPH
ZIEGLER, THEODORE FRANK	



# CATALOGUE OF PUPILS IN GIRARD COLLEGE, JANUARY 31, 1904.

## FOURTH FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
<b>Acker, Earle Swavely</b>	Oct. 4, 1889	Dec. 31, 1897	7.71	9.16
Allen, Nathan E. Herdman	Feb. 2, 1889	Dec. 31, 1897	7.33	9.20
Amole, William	Aug. 20, 1888	May 29, 1896	6.74	9.26
Archer, Thomas Bertram	Dec. 7, 1888	Sept. 18, 1896	8.20	8.75
<b>Bagans, Arthur L.</b>	March 10, 1887	May 31, 1894	7.50	9.22
Battersby, Edward	June 3, 1888	Sept. 6, 1897	7.98	8.69
Beach, Harry Merrel	May 11, 1888	May 29, 1896	7.85	9.32
Beatty, Joseph	May 11, 1890	Sept. 6, 1897	7.16	9.05
Beck, Lear Casper	March 16, 1889	Sept. 7, 1897	7.46	9.51
Beck, Raymond Stewart	Oct. 13, 1887	Sept. 7, 1897	8.71	9.61
Bennett, Howard	Jan. 10, 1888	June 8, 1895	8.41	8.39
Birney, John Taylor	Nov. 4, 1887	Jan. 16, 1894	7.50	7.77
Bitterlich, Harry Francis	Dec. 31, 1888	Sept. 6, 1897	6.89	8.62
Blakemore, Alfred Potts	Dec. 15, 1888	Sept. 7, 1897	7.56	9.83
Blumrick, Geo. W. M.	March 5, 1890	Dec. 30, 1898	8.21	9.44
Bowen, John Stuart	May 26, 1890	June 1, 1898	7.23	5.07
Brink, Harrison Morton	Dec. 19, 1888	June 1, 1898	7.72	9.41
Brown, Paul Boyd	July 2, 1888	Jan. 17, 1896	8.35	8.61
Brunner, H. P. Heintzelm'n	March 29, 1888	Sept. 6, 1897	7.76	9.12
Bryant, Benjamin Franklin	Nov. 18, 1887	May 31, 1895	8.02	8.19
Bush, Harry	Dec. 1, 1889	June 1, 1898	7.96	8.87
<b>Caden, Ray</b>	March 14, 1889	Sept. 7, 1897	8.18	9.02
Carle, Charles Dayton	June 8, 1889	Sept. 7, 1897	8.31	9.15
Carle, Louis Frederick	Feb. 2, 1887	Dec. 28, 1894	8.39	9.95
Carlisle, Francis	June 3, 1889	Sept. 6, 1897	6.50	7.59
Cassel, Benjamin Harrison	Dec. 8, 1888	Dec. 31, 1897	6.84	5.41
Cassett, George Arthur	Sept. 29, 1887	May 31, 1895	7.94	7.66
Christ, Leslie Carlisle	Aug. 9, 1887	May 29, 1896	8.33	9.43
Clarenbach, Albert August	June 25, 1889	Sept. 6, 1897	7.68	9.66
Condron, John	Oct. 16, 1886	May 31, 1894	8.31	9.51
Connors, Peter John	March 25, 1891	May 31, 1899	8.38	8.19
Cook, Nelson	Nov. 7, 1888	Feb. 11, 1897	7.82	8.37
Crawford, Charles Monroe	Aug. 27, 1889	Sept. 7, 1897	7.76	9.45
Crawford, John Leroy	May 21, 1887	Dec. 30, 1896	8.75	9.14
Crocker, Francis Paulding	July 10, 1890	Sept. 26, 1899	7.12	8.10
Crook, Robert Arthur	Jan. 4, 1887	Oct. 9, 1894	8.07	9.01
Crooks, Joseph Weaver	April 21, 1888	Sept. 7, 1897	7.86	9.72
<b>Dallas, Wm. Halpin</b>	Aug. 19, 1889	June 1, 1898	8.80	9.63
Davis, Ellwood Alphonso	Aug. 20, 1887	June 7, 1895	7.88	9.25
Deery, Clarence Hibbert	Dec. 23, 1888	Dec. 30, 1896	7.66	8.54
Denny, Alexander N.	Sept. 1, 1886	Jan. 10, 1895	7.70	9.86
Devine, Walter Joseph	May 14, 1887	May 29, 1896	7.68	8.68
Dougherty, William	Sept. 8, 1887	May 29, 1896	7.95	9.74
Downs, Clarence Lavalette	Aug. 12, 1887	May 31, 1895	8.59	7.62
Drelich, Samuel	Sept. 20, 1888	Jan. 14, 1896	7.57	7.68
Drummond, William Daniel	Jan. 17, 1888	Sept. 20, 1895	8.34	9.63
Dullenkopf, Alfred Charles	Sept. 28, 1888	Dec. 30, 1896	7.73	8.90

## FOURTH FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Dunstan, George Ernest	July 22, 1888	June 1, 1898	7.56	7.57
<b>Eachus, Homer</b>	July 20, 1890	June 1, 1898	6.79	7.89
Earnest, Geo. Edw. Graffly	Jan. 22, 1889	Sept. 6, 1897	6.78	7.79
Enoch, Elmer Edward	Oct. 27, 1889	Dec. 31, 1897	6.48	7.67
Enz, Charles Gottlieb	July 28, 1888	May 29, 1896	8.27	8.90
Enz, William Frederick	Feb. 9, 1890	Dec. 30, 1898	6.83	9.14
Ewing, Leroy Sinclair	Nov. 18, 1889	June 1, 1898	7.94	8.67
Eyre, Charles	Nov. 13, 1886	May 31, 1895	8.70	9.45
<b>Faber, Casper</b>	March 6, 1886	April 27, 1894	9.37	8.71
Falk, William Martin	Oct. 4, 1886	May 31, 1894	8.11	8.41
Fisher, Chester Oscar	July 5, 1888	June 1, 1898	6.83	8.08
Flanagan, Daniel Henry	Sept. 1, 1888	Dec. 31, 1897	7.35	6.63
Fleck, Charles Seward	Sept. 17, 1887	Sept. 7, 1897	7.83	8.38
Foley, Francis Benedict	July 7, 1887	Sept. 21, 1894	8.14	8.73
Frank, Harry Franklin	Sept. 18, 1887	Sept. 6, 1897	7.58	9.18
Frey, Edward Samuel	May 1, 1888	Sept. 7, 1897	7.53	6.66
Frey, Herbert Oswin	Jan. 22, 1891	May 29, 1900	9.30	9.91
Frey, Robert Uhler	May 28, 1890	June 1, 1898	7.32	7.99
Furey, Christian David	July 26, 1886	April 27, 1894	7.68	8.85
<b>Gallagher, David H.</b>	Oct. 24, 1887	Sept. 6, 1897	7.45	7.59
Gaumer, Harvey Leon	July 22, 1887	Dec. 28, 1894	7.92	9.16
Gehring, Walter Raimond	Jan. 3, 1888	May 31, 1895	7.92	7.78
Gentner, Louis Frederick	July 22, 1887	May 31, 1895	7.99	9.81
Gibson, William Singlerly	June 21, 1887	May 31, 1895	7.66	8.25
Gilbert, Harold Mitchell	May 1, 1888	Dec. 31, 1895	8.64	8.44
Goodman, Abraham Hermann	Oct. 16, 1888	April 28, 1898	6.81	8.08
Gordon, William	March 23, 1887	Sept. 18, 1896	8.48	8.89
Graham, Vincent McKim	Feb. 13, 1890	June 1, 1898	7.18	8.22
Griffin, James Robert	July 8, 1887	May 31, 1895	7.48	7.91
Grosser, Conrad Jacob Aug.	June 6, 1888	Sept. 7, 1897	7.73	9.05
Guest, Benjamin Franklin	Sept. 5, 1889	Dec. 31, 1897	7.27	9.56
<b>Hamilton, James M.</b>	March 3, 1886	May 31, 1892	8.41	8.70
Haney, Walter Lewis	Feb. 8, 1887	May 29, 1896	7.78	8.84
Harding, Willis Wayne	Aug. 12, 1888	June 1, 1898	6.91	9.25
Hart, Ellwood Beaver	Jan. 22, 1888	Sept. 7, 1897	8.73	9.21
Hartman, Daniel Wilford	March 31, 1888	Dec. 31, 1897	7.90	9.57
Heinz, Albert	Dec. 16, 1888	Dec. 30, 1896	6.54	8.70
Henning, Raymond	Jan. 1, 1889	Sept. 6, 1897	7.77	8.40
Henry, Edward James	July 27, 1887	Sept. 21, 1894	8.35	7.98
Henszey, Roy Ormonde	May 20, 1887	Dec. 28, 1894	8.38	9.42
Herrmann, George Elliott	Oct. 31, 1886	April 27, 1894	7.38	9.19
Hicks, Edward Stuart	June 2, 1888	Dec. 31, 1895	7.84	7.51
Hildenbrand, Bertram Wm.	Nov. 21, 1887	Dec. 28, 1894	7.93	9.32
Hill, Warren	June 2, 1888	Dec. 31, 1895	8.20	9.70
Hongler, Walter William	Sept. 1, 1888	June 1, 1898	6.28	6.97
Honicker, Franklin Adolph	Sept. 19, 1890	June 21, 1898	7.35	9.44
Honywill, John Henry	Jan. 7, 1888	May 31, 1895	6.97	8.47
Howard, Allan Aloysia	Sept. 8, 1888	June 23, 1898	6.52	8.60
Hultz, Jesse Grover	Aug. 4, 1887	May 29, 1896	7.88	9.87
Hunter, Samuel	April 23, 1888	Sept. 20, 1895	7.62	8.93
<b>Jacobs, Frederick Ellis</b>	June 10, 1886	Jan. 21, 1895	8.33	9.41
Jacobs, George Henry	April 24, 1888	May 29, 1896	8.27	8.62
Jacoby, Raymond Weiss	July 10, 1889	Dec. 31, 1897	7.83	8.58
Johnson, Francis Trout	Feb. 29, 1888	May 29, 1896	8.97	9.04

## FOURTH FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Jones, James Beaver	Dec. 8, 1886	May 31, 1893	7.41	8.18
Jordan, William	May 25, 1887	Dec. 28, 1894	8.53	9.44
<b>Kelly, Edward William</b>	Jan. 18, 1890	Dec. 30, 1898	7.29	7.32
Kennedy, John Alexander	Aug. 14, 1889	Dec. 30, 1898	6.98	9.50
Keyser, Harrison	June 15, 1889	May 31, 1899	7.34	6.49
Kimes, John Warren	March 22, 1888	May 31, 1895	7.68	7.07
Kimpel, Francis Nicholas	Aug. 22, 1886	Dec. 31, 1895	7.69	9.60
King, Emory Louis	June 5, 1886	May 31, 1894	8.48	8.91
King, Harry Edward	June 5, 1886	May 31, 1894	7.94	8.42
Kingston, William Paul	Oct. 21, 1888	Dec. 30, 1896	6.38	7.61
Kleinhenn, Raymond	March 8, 1889	Dec. 31, 1897	6.63	9.73
Kling, David Kinzer	Nov. 16, 1889	Jan. 27, 1899	7.29	9.52
Knox, Elmer Ellsworth	Oct. 16, 1887	Dec. 28, 1894	8.27	8.32
Krauss, Joseph Monroe	Sept. 5, 1887	Feb. 2, 1895	8.31	8.73
Kreitzer, William Clausen	Sept. 16, 1888	Jan. 6, 1898	7.79	8.65
<b>Lamprecht, Joseph E.</b>	July 12, 1890	Oct. 18, 1898	7.37	4.76
Laros, Paul Elwood	Feb. 1, 1889	June 1, 1898	7.82	8.57
Latham, Emil Irving	Oct. 28, 1888	Sept. 7, 1897	7.95	7.73
Levitt, George Anderson	Sept. 15, 1888	Dec. 30, 1896	7.35	9.83
Lewis, Dora	Sept. 15, 1888	Sept. 18, 1896	7.52	9.52
Long, Clark Samuel	Sept. 28, 1887	Dec. 31, 1895	8.31	9.79
Long, William Howard	Feb. 8, 1886	May 31, 1894	8.23	9.45
Love, Robert	Aug. 14, 1886	Dec. 28, 1894	7.98	9.96
<b>McCann, Francis</b>	Feb. 3, 1890	May 5, 1898	6.80	7.50
McCarter, Matthew L.	Dec. 26, 1886	Sept. 20, 1895	7.51	9.66
McCloskey, John	April 23, 1887	May 31, 1893	7.78	8.03
McCoy, Clarence Robert	June 8, 1886	May 31, 1894	7.90	9.37
McGorvin, Raymond	Sept. 22, 1886	Dec. 31, 1895	8.07	9.22
McGurn, Edward R.	April 4, 1887	Oct. 13, 1894	7.21	8.48
McKane, William Paul	June 16, 1887	Jan. 7, 1896	7.74	8.80
MacMurray, Harold	Nov. 20, 1890	May 31, 1899	7.67	7.97
Magee, William H.	Oct. 28, 1888	Dec. 30, 1896	6.84	9.05
Maguire, Walter	June 30, 1889	Sept. 6, 1897	8.20	7.05
Margerum, Robert Lehmann	Jan. 31, 1889	Dec. 30, 1898	9.05	9.72
Marlin, Norman Howard	Nov. 1, 1888	June 17, 1896	7.87	8.79
Mayne, Walter Gilbert	July 4, 1888	Sept. 6, 1897	8.07	8.41
Merrifield, Lewis Biehl	June 2, 1888	June 1, 1898	7.98	8.09
Miller, Granville Guy	July 1, 1887	June 25, 1897	8.38	8.61
Mitchell, Alfred Thomas	Jan. 16, 1890	Dec. 30, 1898	7.36	5.25
Mogee, Walter John	Sept. 3, 1887	May 31, 1895	7.92	8.58
Mohr, James	Dec. 5, 1886	May 31, 1895	8.05	9.53
Mulvihill, Bernard	July 8, 1886	May 31, 1893	8.14	8.84
Mundorf, Raber	Sept. 28, 1887	May 31, 1895	. .	. .
Mundorf, William R.	Sept. 25, 1889	Dec. 31, 1897	7.80	8.37
Muth, Charles	March 12, 1889	Sept. 6, 1897	6.42	9.82
<b>Newcomb, Clarence B.</b>	Jan. 23, 1889	Sept. 7, 1897	7.43	8.69
Noll, John Raymond	Feb. 1, 1888	Dec. 31, 1897	8.03	9.76
Notestine, George Murray	Oct. 14, 1889	June 1, 1898	8.07	8.55
<b>O'Horo, Russel M.</b>	Oct. 17, 1888	Jan. 20, 1898	8.23	7.11
Osterman, Arvon Elmer	Sept. 19, 1886	Sept. 20, 1895	7.67	7.68
<b>Patterson, Harold L.</b>	July 16, 1889	Dec. 30, 1898	7.52	6.13
Paulhamus, Holden Taylor	March 7, 1888	Sept. 7, 1897	7.22	7.68
Person, William Sassman	Jan. 14, 1889	June 8, 1898	7.74	6.66
Phillips, Thomas Roland	Sept. 15, 1889	Dec. 31, 1897	7.28	7.98

## FOURTH FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Pierce, James Harvey	Sept. 26, 1887	May 29, 1896	8.60	9.58
Piersol, Richard John	Oct. 13, 1886	May 31, 1894	8.25	9.89
Piggott, Albert Thomas	July 18, 1888	Jan. 19, 1898	6.09	7.94
Pomerantz, Harry	June 29, 1889	June 12, 1896	7.72	7.74
Pyfer, William Oliver	Dec. 17, 1887	June 25, 1895	7.21	8.78
<b>Raisner, Herman K.</b>	July 31, 1889	Dec. 31, 1897	7.25	8.84
Ralston, Arthur	April 4, 1889	May 31, 1895	8.39	7.91
Redington, Edgar Harrison	Sept. 27, 1887	Dec. 28, 1894	8.45	9.36
Rees, Clarence Ellwood	Aug. 26, 1888	May 29, 1896	6.60	7.89
Rees, George Garfield	Jan. 13, 1889	June 1, 1898	6.86	6.88
Reid, William George	Sept. 6, 1889	May 31, 1899	7.73	6.68
Reilly, Leo	April 27, 1887	June 2, 1896	7.89	9.71
Reinhold, Francis Herman	Oct. 9, 1886	April 27, 1894	8.52	9.40
Richardson, George Webb	Aug. 11, 1888	Dec. 30, 1896	7.31	8.63
Ringler, William Frederick	March 8, 1889	Nov. 14, 1898	6.35	8.11
Robertson, Andrew T.	July 10, 1888	June 1, 1898	7.15	6.08
Robinson, John Edwin	July 26, 1886	Dec. 31, 1895	8.79	8.90
<b>Sanborn, John</b>	Nov. 12, 1888	Sept. 6, 1897	8.11	7.87
Schaffer, Lester	Aug. 4, 1888	June 22, 1898	7.86	8.69
Schleider, Ferdinand A.	Oct. 12, 1888	May 29, 1896	7.54	8.65
Schmidt, Philip	July 16, 1886	April 27, 1894	7.89	9.06
Schwartz, William Theodore	Jan. 23, 1887	April 27, 1894	7.68	8.04
Scott, Harry	March 22, 1889	Dec. 30, 1896	6.36	7.40
Scott, Robert	Nov. 2, 1887	Jan. 17, 1896	7.52	9.02
Seal, Lewis William	April 17, 1887	Sept. 21, 1894	7.83	7.00
Shaw, William Jacoby	Sept. 12, 1890	June 1, 1898	6.65	7.91
Sheetz, John Williar	Oct. 29, 1888	Sept. 30, 1898	7.66	6.45
Shields, John	July 3, 1888	Sept. 28, 1896	8.00	8.37
Sickel, George Benson	May 7, 1887	Dec. 28, 1894	9.41	9.80
Sigel, Charles	March 29, 1889	Sept. 6, 1897	6.58	6.78
Silber, Albert-George	Oct. 15, 1886	May 29, 1896	7.55	8.58
Siple, Ambrose Kerwin	Aug. Sept. 19, 1886	June 24, 1896	8.26	9.05
Slifer, Clarence	Nov. 28, 1886	June 15, 1896	8.06	9.24
Smith, Charles Crandol	Oct. 1, 1886	April 27, 1894	9.03	8.82
Smith, Herbert	June 16, 1890	June 1, 1898	6.62	7.34
Smith, Howard Allen	Aug. 20, 1886	May 31, 1894	7.17	7.08
Snape, Ormonde Barnes	Feb. 27, 1889	June 24, 1898	7.44	9.19
Snyder, Stanley Herbert	Dec. 15, 1888	Dec. 30, 1896	8.36	9.19
Snyder, William Roscoe	June 19, 1887	Dec. 31, 1895	7.95	9.84
Sontgen, Frederick	Jan. 22, 1888	May 31, 1895	7.80	8.72
Starr, John Hiram	Aug. 26, 1889	Sept. 7, 1897	7.19	7.80
Starr, Joseph Walsh	Feb. 28, 1888	Sept. 6, 1897	7.31	7.84
Starr, William Harvey	March 23, 1887	Jan. 14, 1896	8.53	9.00
States, James Lester	Feb. 16, 1889	Dec. 30, 1896	7.67	8.44
Steckline, Chas. Earl Wash'n	June 27, 1886	Sept. 21, 1894	8.42	9.76
Stehle, Sheridan Valentine	Feb. 14, 1888	May 31, 1895	8.21	9.58
Stuart, George Wallace	Oct. 26, 1889	Dec. 30, 1898	7.57	8.39
Stubblebine, Raymond F.	Aug. 17, 1886	Sept. 21, 1894	7.98	8.51
<b>Teets, John Alfred</b>	Aug. 17, 1888	Jan. 11, 1898	8.82	9.23
Thompson, Gerald	April 7, 1889	Sept. 16, 1897	7.75	8.87
Thorn, William	July 29, 1886	May 31, 1895	8.29	9.86
Troutman, Harvey Andrew	July 3, 1888	Dec. 30, 1896	8.94	8.72
Turner, James Windolph	April 15, 1888	Sept. 6, 1897	8.36	9.06
<b>Wagner, John Robert</b>	Dec. 6, 1889	Sept. 6, 1897	8.25	8.03

## FOURTH FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Wagner, Robert James	April 20, 1891	Sept. 6, 1897	6.82	6.42
Waide, James Adams	Oct. 3, 1887	Jan. 14, 1895	7.67	8.45
Walgran, Charles Oscar	Oct. 10, 1888	June 1, 1898	8.06	9.28
Walters, Charles Henry	Feb. 6, 1890	May 31, 1899	8.88	9.52
Warner, John Mifflin	June 24, 1886	June 24, 1895	8.04	9.78
Weber, Oliver Mantz	Dec. 2, 1888	Dec. 30, 1896	6.22	5.79
Wells, Charles Albert	Aug. 1, 1887	July 27, 1897	8.01	9.70
Wenrick, Edward Rankin	Dec. 17, 1888	June 1, 1898	6.99	9.81
Wentz, Frank Reuben	July 18, 1886	March 27, 1894	8.69	9.48
Williams, Charles	June 2, 1889	June 1, 1898	7.27	8.43
Williams, Maurice	Dec. 16, 1889	Dec. 30, 1898	7.45	9.07
Williams, William	March 29, 1889	Sept. 6, 1897	7.27	8.96
Wilson, Ernest David	July 30, 1887	Sept. 21, 1894	7.81	9.81
Wilson, Horace Warren	Jan. 31, 1890	Dec. 31, 1897	6.98	8.57
Winter, Joseph Earl	July 27, 1888	May 29, 1896	7.11	6.39
Wolstenholme, Edward	Jan. 14, 1889	Sept. 6, 1897	8.47	8.54
Wood, Lawrence Vitty	July 10, 1888	June 17, 1898	7.61	8.67
Woods, Harry	July 13, 1887	Sept. 18, 1896	8.04	9.32
Woodside, Frank Stanley	Nov. 1, 1889	June 1, 1898	7.00	9.29
Wunderlich, Chas. Franklin	Dec. 1, 1889	Dec. 31, 1897	6.78	7.51
<b>Zeigler, Theo. Frank</b>	Dec. 30, 1886	June 18, 1894	8.36	9.27



## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
<b>Adams, Abraham</b>	July 24, 1890	Sept. 26, 1899	6.80	7.61
Anderson, George David	Jan. 9, 1890	June 1, 1898	6.63	8.25
Armstrong, Frank	Nov. 23, 1888	Jan. 14, 1898	6.92	8.28
Auner, Edm. Cadwallader	March 10, 1890	Sept. 6, 1897	6.85	7.57
<b>Baer, James Albert</b>	July 31, 1891	June 28, 1901	8.14	8.48
Bald, Ellwood Christian	Jan. 18, 1889	June 1, 1898	7.16	8.57
Barford, Harry	Sept. 27, 1890	Sept. 30, 1898	7.23	7.42
Basenfelder, C. A. Lincoln	Nov. 29, 1892	May 31, 1899	6.81	8.23
Beans, Russell Paul	Dec. 26, 1891	May 29, 1900	6.65	9.63
Beck, Charles Arthur	Sept. 17, 1889	Sept. 7, 1897	7.18	6.12
Becker, Clarence Sydney	July 25, 1888	June 1, 1898	7.34	6.40
Beeby, Vernon Strickland	April 12, 1888	Dec. 31, 1897	6.85	9.97
Benditt, Frederick	May 24, 1889	Sept. 6, 1897	7.03	8.67
Benditt, Ludwig	Dec. 17, 1890	June 16, 1899	6.40	5.23
Bernhardt, Joseph	Dec. 21, 1890	Sept. 25, 1900	7.91	9.46
Bernius, Henry George	March 9, 1889	Dec. 30, 1896	6.28	6.45
Binder, Ray Vincent	April 14, 1890	Dec. 30, 1898	6.96	7.76
Bishop, John	July 15, 1891	June 12, 1900	6.78	9.93
Bitner, Clair Irwin	Oct. 24, 1889	May 31, 1899	7.34	8.42
Blind, Martin Charles	Nov. 19, 1890	Sept. 25, 1900	7.26	8.66
Bolz, John	June 4, 1891	May 31, 1899	6.99	6.06
Bond, Silas Torbert	Nov. 2, 1890	Sept. 25, 1900	7.35	9.24
Bowen, James Joseph	May 10, 1889	June 1, 1898	7.06	7.38
Bowman, Earl	Feb. 11, 1890	Dec. 30, 1898	6.63	6.46
Boyd, William Gordon	Feb. 10, 1890	Sept. 18, 1896	6.83	9.05
Brady, Charles William	June 5, 1889	Jan. 6, 1899	7.11	9.30
Bredbenner, Herbert F.	Aug. 27, 1889	Dec. 30, 1898	7.09	4.82
Brewer, Charles Milton	Sept. 17, 1890	Sept. 26, 1899	6.96	9.58
Brown, Herbert A. S.	Jan. 6, 1889	Dec. 30, 1896	6.13	6.99
Brown, Malcolm Leray	Oct. 6, 1891	May 29, 1900	7.20	6.96
Bruce, George Washington	May 25, 1889	Dec. 31, 1897	7.51	6.72
Bruce, Robert Moorhead	Oct. 13, 1889	Dec. 30, 1898	7.82	9.52
Bunge, Ralph	June 8, 1891	June 21, 1899	8.70	9.50
Bunting, Matthew	Oct. 28, 1890	May 31, 1899	7.59	8.37
Burke, Charles Joseph	June 6, 1892	May 29, 1900	6.14	8.13
Button, William	Feb. 21, 1890	Sept. 26, 1899	7.18	7.32
Byers, Robert	Nov. 4, 1888	June 1, 1898	6.62	8.19
<b>Cain, William</b>	March 5, 1890	June 15, 1896	7.24	9.66
Camenisch, Henry Paul	Sept. 17, 1890	May 31, 1899	6.55	7.09
Campbell, Arthur	Oct. 13, 1890	Sept. 30, 1898	8.16	7.69
Carlin, William Martin	Jan. 30, 1891	Dec. 30, 1898	6.89	5.54
Casatt, Frank Elston	Sept. 30, 1889	June 1, 1898	6.82	7.39
Clark, Edmund Lord	May 31, 1890	Sept. 30, 1898	7.16	8.45
Clark, William Abner	Feb. 28, 1889	Sept. 7, 1897	6.86	7.63
Clavier, William Ernst	Feb. 28, 1891	Dec. 30, 1898	8.06	6.80
Cloud, Joseph	July 7, 1891	Dec. 29, 1899	7.60	9.31
Coley, Thomas Levi	Nov. 12, 1889	May 31, 1899	6.32	8.46
Collins, James Francis	Oct. 4, 1889	Dec. 31, 1897	6.63	8.35
Cope, Reuben Oscar	Jan. 30, 1890	Dec. 30, 1898	6.31	6.69
Corbin, Ralph Ebright	Dec. 25, 1891	May 29, 1900	6.76	6.93
Craig, Hilliard Sanders	Dec. 31, 1890	Dec. 30, 1898	6.91	8.03

## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Craig, Robert Hall	June 26, 1891	May 31, 1899	6.82	6.58
Crawford, Elwood Reed	June 30, 1891	June 6, 1899	5.99	8.75
Cresswell, Alexander Baird	Dec. 23, 1888	Sept. 7, 1897	7.34	8.78
Crosby, Bart Julian	Oct. 8, 1891	June 4, 1900	7.47	7.55
Crothers, Elmer Edward	Nov. 10, 1890	May 31, 1899	7.03	6.12
Cunningham, Conrad C.	July 31, 1891	Dec. 29, 1899	6.86	9.37
<b>Dale, James Byron</b>	June 1, 1889	May 31, 1899	7.46	9.00
Davis, Albert	May 2, 1889	Dec. 30, 1898	7.33	8.50
Deatch, Alexander	June 8, 1889	Sept. 7, 1897	6.07	8.87
DeLuca, Alexander	March 27, 1892	Jan. 31, 1901	7.65	9.98
Denworth, Hugh Frederick	Dec. 12, 1891	Jan. 31, 1901	8.65	7.73
Dessalet, James Robinson	March 7, 1889	Sept. 6, 1897	6.61	6.04
Dietz, Francis Raymond	Oct. 20, 1889	Sept. 26, 1899	6.72	8.99
Dinan, Emlen Franklin	March 27, 1891	Jan. 31, 1901	7.33	9.68
Doberstein, Felix William	July 25, 1888	June 1, 1898	6.03	5.86
Doberstein, Frank Joseph	May 2, 1890	June 1, 1898	5.84	8.71
Donaghy, Wm. Alexander	Jan. 30, 1889	Sept. 6, 1897	6.94	8.84
Donnelly, James	June 10, 1889	May 29, 1896	6.49	8.49
Doster, George Charles	May 21, 1890	Dec. 29, 1899	7.03	9.34
Dougherty, John	Aug. 8, 1890	June 1, 1898	7.43	8.64
Dubree, John Bisbing	Aug. 8, 1888	Dec. 31, 1897	6.29	7.57
Dullenkopf, Charles Fred'k	May 7, 1890	Sept. 30, 1898	6.94	8.70
Dymond, Floyd	Aug. 30, 1891	Jan. 12, 1900	7.26	8.10
<b>Earl, Robert Edward</b>	Nov. 19, 1890	May 31, 1899	8.01	6.96
Edelman, Allen Henry	Sept. 27, 1891	Dec. 29, 1899	8.19	7.66
Edelman, Louis Albert	Oct. 26, 1890	Dec. 30, 1898	8.34	8.11
Ehlers, William Franklin	March 19, 1892	Sept. 25, 1900	7.65	9.34
Ellis, Harry Arbor	May 2, 1889	Dec. 31, 1897	6.93	7.31
Ellis, Samuel	Dec. 12, 1888	June 1, 1898	6.40	8.59
Enz, Henry Christian	Feb. 10, 1891	Dec. 30, 1898	7.87	8.58
Evans, David Albert	May 19, 1890	Dec. 30, 1898	7.51	8.67
<b>Farley, Bernard</b>	Dec. 8, 1890	May 31, 1899	7.12	6.05
Farrell, James	Dec. 30, 1890	May 31, 1899	7.22	8.80
Ferrey, Harry Longshore	Sept. 13, 1892	Sept. 25, 1900	7.48	6.72
Ferrey, Raymond John	June 3, 1890	June 1, 1898	6.45	4.98
Ferris, John	Jan. 6, 1890	Dec. 30, 1898	6.77	6.19
Fester, William Martin	Nov. 8, 1889	Dec. 31, 1897	6.72	5.73
Fettinger, David Earl	Aug. 2, 1890	Sept. 26, 1899	7.40	6.52
Flanagan, Charles Arlie	July 14, 1890	May 31, 1899	6.67	5.36
Flick, Taylor Barner	Aug. 4, 1889	Sept. 30, 1898	6.27	8.28
Foley, Albert Edward	Aug. 27, 1889	Dec. 30, 1898	6.72	6.35
Foley, Dennis Joseph	March 25, 1889	Sept. 7, 1897	6.81	9.06
Foley, Thomas John	Aug. 27, 1889	Dec. 30, 1898	6.51	7.27
Ford, James Theodore	Aug. 16, 1891	May 29, 1900	6.99	7.48
Fortney, George Russell	May 1, 1890	Dec. 29, 1899	7.03	7.49
Fredericks, Harry C. Ernest	Oct. 13, 1889	Dec. 31, 1897	6.81	6.94
Free, Frank Harrison	Aug. 7, 1888	Dec. 31, 1897	5.76	8.50
Frey, George Leonard	Feb. 10, 1892	May 29, 1900	7.81	9.21
Frutchey, Clark	Feb. 24, 1891	Sept. 25, 1900	7.58	8.15
Frymyer, Howard	Aug. 27, 1890	Dec. 30, 1898	8.58	8.01
<b>Gammons, H. Elmer</b>	Feb. 8, 1891	June 12, 1900	7.17	6.62
Geddes, William Clark	Dec. 29, 1889	Dec. 31, 1897	7.46	5.32
Geere, George Henry	April 23, 1890	May 31, 1899	8.02	7.20
Gehring, Edward Cornelius	Jan. 24, 1891	Dec. 30, 1898	7.09	9.04

## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Gilpin, Clifford	Aug. 13, 1890	Sept. 26, 1899	7.49	9.69
Giltinan, William Patrick	May 23, 1890	Sept. 26, 1899	7.10	8.15
Ginter, Charles Albert	Feb. 28, 1890	June 28, 1898	7.66	7.62
Godshalk, George W. C.	June 15, 1891	May 31, 1899	7.52	6.15
Gogolsky, John George	April 6, 1890	Jan. 10, 1899	7.16	7.36
Goodman, Frederick H. M.	July 2, 1890	Dec. 29, 1899	7.81	8.24
Goodman, Joseph	Feb. 25, 1891	June 1, 1898	7.22	7.25
Goodwin, Charles Fremont	Jan. 25, 1889	Dec. 30, 1896	7.22	8.37
Gordon, John McGowan	Sept. 18, 1889	Dec. 31, 1897	7.39	6.81
Gosner, Charles Anthony	Oct. 30, 1890	Sept. 26, 1899	6.59	8.37
Graybill, Warren Crawford	June 23, 1890	June 1, 1898	7.74	7.78
Green, John Warner	June 6, 1890	May 31, 1899	6.54	7.32
Green, Joseph	July 22, 1890	June 28, 1898	7.41	8.60
Gresens, Frederick Peter	Nov. 19, 1889	Dec. 31, 1897	7.21	7.82
Greves, Edward Francis	Jan. 22, 1890	Jan. 14, 1898	4.32	4.24
Griffith, William Herbert	Sept. 3, 1889	Sept. 7, 1897	6.01	7.28
Grimm, Nathan Penrose	Sept. 4, 1888	June 1, 1898	6.63	8.41
Groome, Martin Joseph	March 14, 1889	Sept. 30, 1898	6.72	8.98
Grove, Franklin R. Gerhard	Nov. 7, 1889	June 1, 1898	7.12	4.79
Guise, Samuel	April 13, 1890	May 31, 1899	6.31	7.05
<b>Haenger, William Davis</b>	March 16, 1889	June 1, 1898	5.87	7.07
Hahn, Simon Earl	July 12, 1890	June 1, 1898	6.84	8.10
Hall, James Theodore	June 6, 1892	May 29, 1900	7.13	8.16
Hall, John James	May 18, 1889	Dec. 30, 1898	6.72	9.28
Hamilton, Andrew Sidney	Jan. 5, 1890	Dec. 31, 1897	6.59	7.93
Hamilton, Robert L. L.	Sept. 30, 1890	June 14, 1900	7.51	6.35
Harris, William Thomas	Dec. 25, 1889	Dec. 31, 1897	7.35	6.68
Harrison, Joseph	July 30, 1890	June 1, 1898	6.21	8.68
Hart, Oscar Steinmetz	July 11, 1891	Jan. 31, 1901	8.05	9.55
Hartman, Frank Lincoln	May 18, 1890	June 1, 1898	6.87	5.58
Harwick, George Martin	Oct. 28, 1889	June 1, 1898	6.41	6.81
Hawley, William Selby	Aug. 18, 1889	June 1, 1898	7.26	8.29
Heinz, Edward	June 12, 1891	May 31, 1899	6.84	8.96
Heller, Harry	Sept. 22, 1891	Jan. 31, 1901	7.85	9.45
Helliwell, William Edward	Jan. 9, 1891	Jan. 17, 1899	8.42	8.85
Hildenbrand, Lewis E.	April 20, 1890	June 1, 1898	8.27	9.31
Hoeltzle, Albert Conrad	March 25, 1889	Sept. 7, 1897	7.34	9.25
Hoffman, John Wilson	April 26, 1889	June 1, 1898	7.40	5.28
Holmes, Samuel	Nov. 21, 1889	Dec. 31, 1897	7.67	7.82
Hopple, Joseph	Sept. 14, 1889	Sept. 30, 1898	5.86	7.09
Horscroft, William Frank	Dec. 28, 1890	Sept. 6, 1897	7.61	7.24
Houder, John Burton	March 8, 1889	Sept. 6, 1897	8.50	9.23
Howell, Henry	Feb. 14, 1890	May 31, 1899	7.80	8.78
Hoyler, Edward Herman	June 30, 1890	May 31, 1899	6.98	8.13
Hudson, Francis Wright	March 18, 1889	Sept. 6, 1897	5.63	6.04
Hunter, Charles	Nov. 5, 1889	Dec. 31, 1897	7.74	8.35
Hunter, Robert Henry	April 6, 1890	Jan. 19, 1898	6.54	9.44
<b>Irvin, Wm. Cleveland</b>	Aug. 3, 1889	Dec. 30, 1898	6.97	6.69
Irwin, Clarence Loughry	Jan. 31, 1892	Dec. 29, 1899	7.44	9.20
<b>James, Horace Smith</b>	Nov. 22, 1888	Dec. 31, 1895	6.53	4.78
Jester, Albert Henry	Aug. 25, 1888	Jan. 14, 1898	6.79	7.00
Jester, Joseph Ellwood	Oct. 11, 1890	Jan. 14, 1898	7.41	8.60
Jones, Harry Blyer	Feb. 11, 1890	Dec. 31, 1897	7.35	7.95
Jones, Isaac	July 2, 1890	May 29, 1900	8.25	9.75

## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Jones, Joseph Haydn	March 1, 1891	Dec. 30, 1898	7.75	6.68
<b>Kane, Arthur Garfield</b>	Aug. 29, 1890	June 13, 1898	7.35	8.15
Keegan, Edward	Jan. 19, 1889	Dec. 31, 1897	5.94	7.49
Keim, Franklin Le Roy	May 26, 1889	June 1, 1898	6.38	8.91
Kennedy, Lawrence F.	Sept. 10, 1890	Dec. 30, 1898	7.24	5.15
Kenworthy, Thomas Benj.	Nov. 22, 1890	Sept. 30, 1898	7.20	6.75
Kern, Frederick Elmer	Dec. 29, 1888	Dec. 30, 1896	6.95	8.17
Keth, Frank Henry	Feb. 9, 1891	May 31, 1899	7.70	9.17
King, Eugene Robert	Sept. 21, 1890	Sept. 30, 1898	6.30	8.18
Kirkland, William	Oct. 11, 1890	June 24, 1898	7.61	8.87
Kirschbaum, Carl Alex.	Aug. 9, 1890	June 1, 1898	8.24	8.15
Kitselman, John C. F.	March 8, 1889	June 1, 1898	6.70	8.73
Kleinhenn, Walter Henry	Aug. 17, 1891	Sept. 26, 1899	7.86	9.79
Kline, William Benjamin	Feb. 11, 1890	Dec. 31, 1897	8.45	8.68
Knapp, Horace Clifton	April 13, 1890	June 23, 1898	7.41	6.63
Koch, Ernest Frederick	Dec. 1, 1890	Dec. 30, 1898	7.42	7.04
Kohler, Mervin Howard	May 8, 1892	May 29, 1900	7.29	8.36
Kolb, Clifford Elmer	April 9, 1889	Sept. 7, 1897	6.96	9.82
Krauss, Walter Raymond	April 5, 1889	Sept. 20, 1895	6.75	8.06
<b>Lafferty, Harry James</b>	June 3, 1889	Sept. 7, 1897	5.15	9.58
Larkin, Vernon Carlyle	Sept. 20, 1888	Jan. 19, 1898	6.33	6.33
Latham, Forest Ellwood	April 2, 1891	May 29, 1900	7.88	7.50
Lax, Harry	Nov. 10, 1892	Feb. 16, 1900	8.04	8.68
Layden, Joseph	Nov. 18, 1889	June 1, 1898	6.52	6.02
Leaf, Frank George	April 8, 1889	Sept. 30, 1898	7.31	8.91
Lear, Samuel Maitland	Oct. 5, 1889	June 1, 1898	7.18	8.25
Lehn, Martin Weidler	Dec. 5, 1891	Sept. 25, 1900	6.24	7.74
Leibgries, David	March 22, 1889	Sept. 6, 1897	7.14	9.18
Leibgries, Paul F.	Nov. 29, 1890	Sept. 30, 1898	7.54	8.90
Leiby, Harry Joseph	April 11, 1890	June 1, 1898	7.37	7.48
Leister, Warren Leon	Aug. 23, 1889	Dec. 31, 1897	7.44	7.50
Levy, Morton Jacob	April 21, 1889	Sept. 6, 1897	8.02	7.89
Lewis, Herbert Fiske	Jan. 26, 1890	Dec. 29, 1899	7.72	8.51
Liggett, Ralph Buckley	Feb. 6, 1893	June 28, 1901	8.24	8.62
Lindsey, Frank Myrl	Nov. 24, 1889	June 1, 1898	6.39	8.86
Lindsey, John Ramond	Nov. 24, 1889	June 1, 1898	7.41	7.09
Lloyd, James Kerr	Aug. 10, 1888	June 1, 1898	6.67	5.85
Loney, Frederick Vanhorn	Feb. 2, 1890	Jan. 11, 1900	7.18	8.17
Long, Grover Victor	Oct. 12, 1892	Jan. 31, 1901	7.67	7.55
Long, Wesley Miller	Aug. 28, 1889	Jan. 5, 1899	7.11	7.81
Longacre, Benjamin Richard	Jan. 23, 1890	Dec. 31, 1897	6.23	7.48
Lord, Thomas Miller	April 15, 1889	June 1, 1898	6.92	6.75
<b>McCarter, George W.</b>	Oct. 5, 1890	Oct. 21, 1898	7.94	8.85
McClain, Thomas Wiggins	April 19, 1889	June 1, 1898	6.88	9.78
McConaghy, Ellis Norvin	March 18, 1889	Jan. 19, 1898	7.19	8.59
McConnell, George Horn	Sept. 7, 1890	Sept. 18, 1896	7.47	8.91
McDougall, John Bruce	April 24, 1890	June 23, 1898	7.29	8.43
McDowell, Edward	July 20, 1891	Dec. 29, 1899	7.49	7.99
McDowell, Walter Elliott	Aug. 10, 1890	June 1, 1898	7.15	8.06
McElroy, Samuel Hatton	Aug. 7, 1890	June 1, 1898	6.80	9.00
McFadden, Thomas	Sept. 4, 1892	Jan. 31, 1901	8.13	8.25
McPetridge, Lloyd W.	June 30, 1889	Sept. 25, 1895	7.25	6.40
McGarvey, Bernard Francis	June 23, 1892	May 29, 1900	8.36	7.62
McGahey, Harry Bruner	Oct. 21, 1890	Sept. 25, 1900	7.75	8.39



## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
McMaster, Thomas Roy	May 28, 1892	May 29, 1900	7.28	8.15
McMonigle, James	Nov. 12, 1889	Sept. 6, 1897	7.06	8.73
McWilliams, Paul	Oct. 5, 1890	May 29, 1900	6.62	5.55
Mackin, Everett Allen	Feb. 26, 1890	May 31, 1899	7.69	9.07
Mageoch, George Henry	Dec. 7, 1890	Dec. 30, 1898	6.23	5.58
Malcomson, James Allison	Jan. 25, 1891	May 31, 1899	7.21	8.57
Mallams, Calvin	Oct. 24, 1889	June 1, 1898	6.48	9.27
Margerum, John E. Price	Feb. 25, 1891	Dec. 30, 1898	6.96	7.89
Martin, Edward Beasley	May 18, 1889	Sept. 6, 1897	7.93	9.45
Martin, Frank Henry	July 17, 1891	Sept. 26, 1899	6.79	8.51
Mattis, Henry	May 23, 1891	Jan. 31, 1901	7.12	8.56
Mauger, Charles Frank	July 3, 1889	Sept. 7, 1897	7.10	7.35
Meissner, George Alexander	Aug. 31, 1890	June 1, 1898	7.56	8.34
Mendenhall, Hayes Cookson	Nov. 4, 1890	Sept. 25, 1900	7.87	9.07
Menges, William	Nov. 2, 1890	May 29, 1900	8.51	9.64
Miller, Frank Spatz	Jan. 25, 1890	Jan. 9, 1900	7.09	9.47
Miller, John Earl	Feb. 1, 1891	May 29, 1900	6.07	7.74
Miller, Sanford Spatz	Sept. 2, 1891	Jan. 9, 1900	7.43	7.17
Miller, William Francis	Oct. 10, 1888	June 21, 1898	6.66	9.22
Mitchell, Charles Jones	Oct. 14, 1890	Dec. 30, 1898	7.30	3.46
Mohr, Frederick Charles	Feb. 28, 1891	Dec. 30, 1898	7.26	7.49
Moldenhauer, Gustave A.	Sept. 3, 1890	June 1, 1898	7.55	9.16
Moore, Brooke Adams	Feb. 15, 1889	Sept. 30, 1898	6.49	8.44
Moore, Harvey Neall	Feb. 23, 1891	May 31, 1899	7.75	6.92
Moore, Jerome Cook	May 26, 1890	June 1, 1898	7.80	9.16
Moore, John Edgar	June 27, 1891	May 31, 1899	6.94	8.09
Moore, Raymond Simpson	Feb. 18, 1891	Dec. 30, 1898	6.94	7.73
Morrison, David	Sept. 4, 1891	Sept. 26, 1899	8.00	8.62
Moyer, Henry Rase	March 25, 1889	Jan. 13, 1897	6.58	7.61
Mulvaney, Horace Walter	June 8, 1890	June 20, 1898	7.47	8.57
Myers, Edgar Fickus	Feb. 18, 1889	Sept. 7, 1897	7.50	8.87
Myers, Samuel Schaum	Aug. 10, 1891	Sept. 25, 1900	8.06	8.12
<b>Nash, William James</b>	Jan. 23, 1891	May 31, 1899	6.34	8.76
Naylor, Henry Collar	Jan. 21, 1889	Dec. 30, 1896	6.11	6.09
Nealey, Louis Alfred DeM.	May 31, 1890	June 1, 1898	7.19	9.71
Neely, John	April 14, 1890	June 1, 1898	7.30	6.03
Nessler, Vincent Leon	Jan. 3, 1890	Dec. 31, 1896	6.95	7.60
Nessler, William Ernest	March 1, 1892	Dec. 30, 1898	6.57	8.72
Nittinger, Edgar	Jan. 30, 1889	Sept. 6, 1897	6.55	7.95
Noll, Elmer Moses	May 26, 1889	Dec. 30, 1898	6.84	9.13
Nolte, Harry Clayton	Aug. 12, 1888	June 1, 1898	7.05	5.48
Nolte, William Ferdinand	Aug. 21, 1890	June 1, 1898	6.47	5.68
Nordland, Charles Walter	Dec. 26, 1890	Dec. 30, 1898	7.86	8.69
Nordland, Edwin James	Jan. 25, 1889	Sept. 7, 1897	5.29	8.86
Nortine, Harry	June 18, 1890	Oct. 20, 1898	7.70	7.77
Nowatny, Charles Adolph	Jan. 30, 1890	Dec. 31, 1897	6.71	7.95
Nowland, Edward Joseph	Aug. 20, 1891	Dec. 29, 1899	7.15	5.74
<b>Oescher, Edward W.</b>	April 10, 1891	Dec. 29, 1899	7.74	8.21
Oldroyd, Walter	Dec. 25, 1889	May 31, 1899	6.38	8.41
<b>Painter, John Frace</b>	Feb. 5, 1889	Dec. 30, 1898	6.94	5.16
Park, Albert Doan	Feb. 19, 1891	Dec. 30, 1898	6.63	9.60
Parry, Francis Joseph	Nov. 2, 1889	Dec. 31, 1897	6.80	7.73
Parry, Howard	July 17, 1891	Sept. 26, 1899	7.34	8.21
Patterson, John Elton	Dec. 10, 1890	May 29, 1900	7.63	7.06



## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Peck, Joseph Hottenstine	July 18, 1890	Dec. 29, 1899	7.78	7.02
Peters, Henry Arthur	April 17, 1889	June 1, 1898	7.62	7.48
Pfander, Lewis Jacob	Dec. 23, 1889	Sept. 26, 1899	6.70	7.89
Pfau, Mathias Adam	Aug. 8, 1889	June 1, 1898	6.95	5.63
Pharaoh, Joseph Warner	May 2, 1889	Jan. 28, 1898	6.79	7.66
Phillippi, Arthur Karl	Nov. 5, 1888	Sept. 30, 1898	6.75	8.26
Phillips, Albert	March 29, 1889	Sept. 7, 1897	7.26	9.62
Piersol, Leon Joseph	April 3, 1890	Dec. 30, 1898	7.59	8.86
Poorman, Clyde Augustus	Dec. 13, 1888	Dec. 30, 1896	7.23	8.90
Powell, John Henry	May 14, 1889	Dec. 31, 1897	7.31	9.43
Powell, Joseph William	May 25, 1890	Sept. 30, 1898	7.05	8.98
Pownall, Thomas William	April 15, 1891	Jan. 31, 1901	8.37	6.95
Pritchard, Thomas Arthur	Jan. 12, 1890	June 1, 1898	7.24	9.00
<b>Quay, Walter Herbert</b>	Feb. 13, 1892	Dec. 29, 1899	8.23	9.76
Quinn, Thomas	Dec. 16, 1890	Sept. 26, 1899	7.23	9.26
<b>Raisner, William Chas.</b>	June 28, 1891	Jan. 31, 1901	6.95	8.75
Rau, Benjamin	June 26, 1890	May 29, 1900	7.24	4.49
Rawnsley, Herbert	June 28, 1889	June 17, 1898	6.54	5.70
Reckefus, Howard Joseph	June 25, 1891	Dec. 29, 1899	7.61	7.42
Reed, Edward Francis	Dec. 3, 1889	Dec. 31, 1897	6.92	7.79
Reichelderfer, Charles Wm.	Nov. 18, 1888	June 17, 1898	6.65	6.93
Reiley, Thomas James	April 4, 1889	Sept. 6, 1897	6.81	7.47
Reynolds, Oliver Chris.	Oct. 21, 1889	June 1, 1898	7.81	8.74
Rhodes, Edward Harrison	June 6, 1889	Sept. 7, 1897	7.00	8.57
Rickard, William Raymond	Oct. 7, 1889	Dec. 31, 1897	6.95	8.85
Robertson, William James	July 1, 1891	Dec. 29, 1899	6.95	5.59
Rogers, John Carl	March 1, 1889	Dec. 30, 1898	7.13	8.40
Rolling, Charles William	Jan. 25, 1889	Dec. 30, 1896	6.94	7.40
Rorabaugh, Fay Irvin	Sept. 22, 1889	May 31, 1899	7.04	4.97
Rosewarne, Norman	April 22, 1889	Sept. 7, 1897	6.67	7.56
<b>Sanderson, John</b>	Feb. 23, 1891	Jan. 31, 1901	8.32	9.57
Schaffer, Monroe	Sept. 14, 1890	May 29, 1900	6.75	8.70
Schairer, Ludwig Henry	April 27, 1889	Sept. 7, 1897	6.70	8.48
Scheetz, Clarence R. Davis	Jan. 7, 1889	Dec. 30, 1898	7.84	8.73
Schimpf, Paul	June 23, 1890	June 1, 1898	7.29	7.00
Schladensky, Charles C.	Feb. 17, 1892	Jan. 31, 1901	6.78	5.62
Schleider, Emil George	Jan. 3, 1890	June 1, 1898	6.76	5.82
Schrandt, Wm. Frederick	Jan. 23, 1890	June 1, 1898	7.66	9.66
Schwarz, Henry Frederick	July 8, 1892	Jan. 31, 1901	9.04	9.93
Sehner, Frederick B.	Aug. 17, 1891	Sept. 26, 1899	7.22	7.17
Seith, Frederick Geiter W.	May 20, 1890	June 20, 1898	8.02	8.63
Seitz, Julius	March 20, 1890	Mar. 11, 1898	6.63	7.47
Sellers, William Wallace	July 2, 1889	Sept. 6, 1897	6.97	8.79
Seward, George Washington	March 31, 1888	Jan. 11, 1898	7.20	9.54
Shallcross, Dewees Haines	Jan. 3, 1889	Jan. 20, 1898	6.25	7.14
Shannon, David Johnson	March 23, 1890	Dec. 31, 1897	6.91	8.67
Sharp, Wm. Lindsey	Jan. 19, 1890	May 31, 1899	6.85	9.75
Shaw, William John	April 16, 1889	Sept. 7, 1897	6.73	8.83
Shearer, Andrew John A.	April 11, 1892	Sept. 25, 1900	8.03	8.22
Shenk, Ralph	April 19, 1890	June 1, 1898	7.91	9.58
Sigel, Robert Glenn	Oct. 23, 1889	Jan. 18, 1898	6.35	7.03
Simcox, John	Oct. 24, 1890	Dec. 30, 1896	6.40	6.64
Simcox, Robert	July 8, 1889	Dec. 31, 1895	6.55	6.89
Singer, Carl William	June 18, 1890	June 1, 1898	6.53	7.38

## THIRD FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Singer, Chas. Wm. Fred'k	April 16, 1889	Sept. 6, 1897	5.94	8.89
Sisco, George Henry	March 14, 1891	Sept. 6, 1897	6.55	7.14
Skipton, Frank Robert	Feb. 12, 1891	May 31, 1899	6.59	8.85
Sly, James Johnson	Oct. 22, 1889	Dec. 30, 1896	7.04	7.78
Smith, Earl Emmett	Aug. 10, 1889	Jan. 20, 1898	6.76	5.43
Smith, Frederick William	Nov. 11, 1890	May 31, 1899	6.14	5.70
Smith, Howard Taylor	March 18, 1889	Dec. 31, 1897	6.27	8.42
Smith, Sanford Warren	Oct. 26, 1889	Dec. 31, 1897	7.42	8.74
Sowers, Ellsworth	Jan. 8, 1892	Jan. 31, 1901	7.12	9.43
Stehle, John Warren	May 19, 1891	June 19, 1900	7.71	8.83
Steimle, Frederick Adolph	May 9, 1890	Sept. 26, 1899	7.13	9.64
Steinberger, John Valentine	Feb. 14, 1890	Dec. 31, 1897	6.58	8.07
Steventon, William Howard	April 18, 1889	June 1, 1898	7.60	7.91
Stewart, Earl Campbell	Aug. 20, 1889	Dec. 30, 1898	6.63	9.12
Stiess, Ernest William	Feb. 5, 1891	May 29, 1900	7.61	8.68
Stutz, Louis	April 27, 1890	June 1, 1898	7.99	7.98
<b>Teets, Robert</b>	Aug. 29, 1891	Dec. 29, 1899	7.70	7.50
Todd, Frederick	Sept. 20, 1889	Dec. 30, 1898	6.64	8.50
Tonolla, Julius	June 13, 1891	May 31, 1899	7.42	9.16
Treaster, Wm. Samuel	Oct. 28, 1888	June 1, 1898	7.32	8.96
Troutman, Floyd Alvin	March 4, 1891	May 31, 1899	7.58	9.30
Truempy, George Stanley	Jan. 30, 1890	Sept. 30, 1898	6.77	9.05
Turner, James	Aug. 3, 1889	June 8, 1899	7.05	8.91
<b>Umholtz, Chas. Morgan</b>	Aug. 11, 1889	Jan. 6, 1898	7.11	9.76
Umholtz, William Harrison	Aug. 11, 1889	Jan. 6, 1898	7.04	9.70
<b>Vance, Howard Leroy</b>	Nov. 25, 1890	Dec. 30, 1898	7.56	7.05
Verity, Harold Riggall	Feb. 10, 1889	Dec. 30, 1896	6.61	5.99
Vert, Leroy	Dec. 21, 1890	June 7, 1899	7.08	7.83
Voigt, Charles Wm. F.	Nov. 8, 1889	Dec. 30, 1896	7.44	7.50
<b>Wagner, Earl Van</b>	Dec. 17, 1891	May 29, 1900	7.37	8.71
Wakeman, Earl Arthur	June 9, 1888	June 1, 1898	6.51	9.17
Walb, Winfield Scott	Nov. 12, 1890	June 1, 1900	8.44	8.95
Walker, Charles Henry	Oct. 27, 1889	June 1, 1898	6.32	8.24
Wallis, William Stanley	May 3, 1891	May 29, 1900	7.65	9.35
Ward, Robert Bruce	June 22, 1891	June 14, 1900	7.68	7.52
Warncke, Edward Albert	June 27, 1889	Sept. 6, 1897	6.95	9.44
Weaver, Donald Lamison	May 25, 1890	Sept. 30, 1898	7.52	9.31
Weiss, Isaac	Jan. 13, 1891	Dec. 30, 1898	7.22	8.61
Wenrick, Walter Brokaw	Sept. 15, 1890	June 1, 1898	7.10	9.41
Wentz, Roy Hiram	Dec. 3, 1888	Sept. 18, 1896	6.96	9.72
Werner, Frank Andrew	Dec. 5, 1889	Dec. 31, 1897	6.62	7.66
Weyerman, William Wallace	April 16, 1892	May 29, 1900	6.62	7.72
Whirl, William Raymond	Dec. 25, 1891	Sept. 25, 1900	8.36	8.18
White, Oliver Wright	Aug. 30, 1890	June 19, 1900	7.59	8.09
Whiteley, James Herbert	March 25, 1889	Sept. 6, 1897	5.70	4.74
Whiteley, Thos. Frederick	Nov. 16, 1888	June 1, 1898	5.93	7.61
Whiting, Joseph	Feb. 15, 1891	Jan. 31, 1901	6.80	9.37
Wiegand, John Conard	April 23, 1889	Sept. 6, 1897	6.97	8.70
Wittmer, Austin Arthur	March 3, 1890	June 1, 1898	6.47	8.40
Wolfson, Kalma	Feb. 14, 1890	Oct. 4, 1898	6.96	8.10
Woloszyk, Thomas Richard	July 9, 1889	Jan. 11, 1899	6.54	8.79
Work, Robert Eugene	Dec. 14, 1892	June 28, 1901	7.48	6.36
Wright, Granville Randolph	Nov. 21, 1889	June 1, 1898	7.36	9.08
Wylie, William	March 1, 1891	Jan. 31, 1901	7.51	7.83
<b>Ziegler, Herbert Eyre</b>	Aug. 14, 1890	May 31, 1899	7.50	6.10
Zimmerman, Claude Moyer	Oct. 1, 1890	Nov. 15, 1898	7.18	9.52
Zink, Albert Peter	Sept. 20, 1890	May 29, 1900	8.06	7.99
Zoll, Howard Sloane	Feb. 4, 1891	Dec. 29, 1899	6.99	8.67

## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
<b>Albright, Paul Wilson</b>	July 14, 1893	Sept. 24, 1901	8.25	9.74
Allbring, Forrest Ellis	Oct. 17, 1891	July 9, 1901	8.10	9.86
Allendorf, John Peter	Sept. 8, 1890	Sept. 26, 1899	7.93	8.64
Amole, Allen	Aug. 10, 1890	May 31, 1899	7.23	8.11
Anderson, Clarence James	March 10, 1891	May 29, 1900	7.56	8.70
Anderson, Norman	June 24, 1892	May 29, 1900	7.87	9.72
Asher, John Richard	Nov. 26, 1892	June 28, 1901	6.82	8.03
<b>Bair, Alvah LeRoy</b>	Nov. 7, 1892	Jan. 31, 1901	7.69	7.80
Bair, Elmer Elias	April 9, 1891	Sept. 25, 1900	6.87	7.96
Baldwin, Harrison	Oct. 31, 1890	May 29, 1900	6.62	8.08
Ball, Stanley	Aug. 14, 1890	Dec. 30, 1898	6.65	9.47
Bangs, Samuel Arthur	March 20, 1892	Jan. 31, 1901	7.19	6.19
Banner, Charles	Dec. 25, 1891	Jan. 31, 1901	7.31	7.46
Barkoff, Albert	Sept. 26, 1892	Jan. 31, 1901	7.77	9.37
Barkoff, John May	July 18, 1890	Dec. 30, 1898	7.47	9.40
Barlow, George W. W.	Feb. 17, 1892	Dec. 29, 1899	7.70	5.80
Barnes, Harold	Aug. 1, 1893	Sept. 24, 1901	8.06	7.30
Barrett, George Wilber	Oct. 7, 1892	Jan. 31, 1901	6.98	8.14
Bassinger, Christian	Oct. 13, 1891	Sept. 26, 1899	8.12	9.45
Bath, Archibald Robson	Dec 19, 1892	Sept. 23, 1902	7.24	9.67
Beals, Frank Heverly	Nov. 20, 1889	Dec. 31, 1897	7.04	7.83
Beatty, William	March 13, 1893	May 31, 1899	8.52	6.61
Bechtel, Charles Earl	July 19, 1893	Jan. 31, 1902	7.46	7.77
Beck, Solomon	Oct. 15, 1891	Sept. 26, 1899	7.67	8.12
Becker, Harry Elmer	Jan. 9, 1893	Jan. 31, 1901	7.29	7.48
Becker, Joseph	Jan. 14, 1892	Sept. 26, 1899	6.64	7.33
Bell, James Arthurs	May 23, 1892	Sept. 24, 1901	7.54	8.60
Belles, Harold Clinton,	July 5, 1893	Feb. 27, 1903	7.51	9.41
Bement, Amos Curtis	Dec. 13, 1891	Dec. 31, 1897	7.22	8.52
Bennett, David Edward	Aug. 21, 1893	Jan. 31, 1902	8.30	9.20
Bennett, John Robert	June 23, 1890	Dec. 30, 1898	7.62	8.89
Berger, William	Aug. 28, 1892	Jan. 31, 1901	8.10	8.11
Beyerle, Harry Raymond	Nov. 11, 1891	July 11, 1901	7.45	7.16
Bice, George	May 28, 1892	Jan. 31, 1902	7.89	9.50
Billington, John	Sept. 17, 1892	Sept. 25, 1900	8.14	7.50
Blakely, George	Jan. 19, 1893	Jan. 31, 1901	8.21	7.91
Blomr, Charles	Aug. 7, 1892	July 10, 1902	8.38	8.00
Boudwin, Joseph Leslie	April 2, 1892	May 29, 1900	7.32	7.14
Boulay, Adolph Henry	July 9, 1890	June 1, 1898	7.22	8.72
Bowden, Thomas Robert	Dec. 16, 1891	June 28, 1901	7.83	7.36
Boyd, William Hawley	June 16, 1892	June 15, 1900	8.24	7.43
Brady, Philip Francis	Feb. 18, 1893	June 28, 1901	7.55	8.76
Bridges, Walter Moore	Oct. 8, 1892	Jan. 31, 1901	8.49	5.85
Brinton, Ralph Saltmarsh	Sept. 17, 1890	Sept. 30, 1898	6.87	7.24
Brown, Henry Paul	Oct. 24, 1893	Jan. 31, 1902	8.73	7.31
Brown, Howard William	March 22, 1893	June 28, 1901	8.25	8.79
Brownstein, Charles	April 21, 1892	Sept. 25, 1900	7.64	8.06
Brunner, John Frederick	Feb. 5, 1892	Dec. 29, 1899	7.80	8.64
Bruns, John Frederick Carl	Nov. 22, 1891	Dec. 29, 1899	6.98	8.46
Bunting, Edwin Constant	July 6, 1893	June 27, 1902	8.60	9.36

## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Burk, William Frederick	Sept. 25, 1892	Sept. 25, 1900	8.37	6.88
Burrows, Joseph Charlton	July 5, 1891	Jan. 31, 1901	8.13	7.90
Burt, John Howard	Feb. 11, 1890	Dec. 29, 1899	7.08	8.21
Butterweck, Russel	Sept. 13, 1892	June 28, 1901	6.96	7.70
Byrem, Harry Lawrence	July 28, 1890	June 1, 1898	7.59	9.03
<b>Cadow, Charles Harrison</b>	March 12, 1889	June 1, 1898	6.48	9.01
Callahan, Michael	Oct. 6, 1892	Sept. 25, 1900	8.26	8.61
Camenisch, Walter Bormann	Nov. 20, 1892	Jan. 31, 1901	7.49	6.29
Campbell, Charles James	Nov. 4, 1892	Sept. 27, 1899	6.80	6.23
Campbell, Charles Leo	May 11, 1891	Sept. 25, 1900	5.95	7.80
Casper, Jacob Ellwood	April 18, 1892	May 29, 1900	7.44	8.77
Chatham, Wilford Hall	June 9, 1891	Sept. 26, 1899	7.91	8.69
Clark, Charles Arthur	Sept. 21, 1891	Jan. 31, 1901	7.14	9.36
Clarke, Edward Roy	April 11, 1893	June 28, 1901	7.45	8.61
Clarke, Francis Humes	March 9, 1890	June 1, 1898	7.61	7.58
Clarke, William John	Sept. 16, 1891	Sept. 25, 1900	7.85	8.47
Cleary, Joseph Aloysius	March 2, 1893	June 27, 1902	8.69	7.03
Coffan, Howard Hewish	July 6, 1893	Sept. 24, 1901	7.23	7.85
Cole, Edward Herbert	Nov. 6, 1891	June 28, 1901	8.24	9.97
Compton, Robert Everett	Jan. 15, 1892	May 29, 1900	8.21	7.94
Cooch, Earle Raymond	Aug. 30, 1892	Feb. 3, 1902	7.31	8.25
Cook, George Curtis	April 6, 1891	Jan. 5, 1899	7.67	7.86
Cook, George Ralph	Nov. 29, 1892	June 27, 1902	8.23	9.43
Craig, James Anderson	Nov. 12, 1893	Jan. 31, 1902	8.05	8.73
Cunningham, Raymond	April 1, 1891	Jan. 4, 1899	6.47	6.24
Cutter, Charles	Dec. 27, 1888	May 29, 1896	6.03	6.93
<b>Dalby, James Raymond</b>	Dec. 27, 1889	May 31, 1899	7.50	8.06
Dalby, Sylvester Lewis	Aug. 9, 1891	Sept. 26, 1899	6.95	7.31
Daly, William Norman	Jan. 12, 1892	July 1, 1901	6.89	8.66
Dardenne, Carl M. H. H.	Aug. 17, 1893	June 27, 1902	8.58	9.47
Dartt, James Gillis	Sept. 19, 1894	Feb. 27, 1903	8.33	9.69
Dartt, Paul Leland	June 2, 1893	Feb. 27, 1903	9.65	9.61
Davenport, Stephen Ira	May 5, 1891	Sept. 26, 1899	7.99	9.19
Deubler, Mason Eugene	April 27, 1891	Sept. 25, 1900	7.79	9.37
Dienes, Samuel	Nov. 24, 1893	Feb. 26, 1902	8.01	8.99
Dietz, Elmer Lee	March 10, 1892	May 29, 1900	7.33	7.47
Dougan, John Sleath	Aug. 2, 1891	Dec. 29, 1899	7.01	9.18
Douglass, John Merritt	May 21, 1893	June 28, 1901	8.47	6.88
Downs, Russell Wellington	March 23, 1892	May 29, 1900	7.29	7.57
Dransfield, Wm. Joseph R.	Jan. 14, 1894	June 27, 1902	7.79	9.20
Duer, Irvin Miller	Dec. 4, 1892	Sept. 24, 1901	7.13	8.44
Duffy, Moscow	Oct. 2, 1891	May 29, 1900	8.09	8.47
Dumont, Frank (Ruhl)	Dec. 27, 1892	Jan. 31, 1901	8.14	9.18
Dunn, John Moore	Aug. 15, 1891	Sept. 26, 1899	7.29	8.92
Dunn, Thomas (Hutchinson)	Oct. 4, 1892	Sept. 25, 1900	8.38	8.51
Dyer, Walter Josiah	Sept. 22, 1889	Dec. 30, 1898	7.73	7.19
<b>Eade, Walter, Frank</b>	Jan. 2, 1892	June 28, 1901	7.27	6.91
Earl, Ralph James	Aug. 6, 1893	June 27, 1902	7.89	8.55
Earll, Horace Steen	Dec. 12, 1892	March 3, 1902	7.89	9.47
Eisele, Francis	June 16, 1892	Jan. 31, 1902	7.18	9.12
Ely, Albert Lionel Merrill L.	Oct. 26, 1892	Jan. 31, 1901	8.27	9.96
Engquist, Carl John	Oct. 17, 1890	Dec. 30, 1898	6.67	8.67
Erickson, Charles John	Aug. 21, 1894	Jan. 30, 1903	8.41	9.04
Erskine, Henry Bradshaw	June 16, 1891	Dec. 29, 1899	7.21	7.33



## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Erskine, Robert Lockhart	June 16, 1891	Dec. 29, 1899	7.91	8.96
Evans, David William	Dec. 22, 1890	Dec. 29, 1899	8.12	8.82
Evans, Frederick	Dec. 2, 1890	May 31, 1899	7.25	7.18
Evans, Walter George	June 27, 1892	May 29, 1900	8.17	9.61
Eyre, Samuel	March 22, 1891	Sept. 26, 1899	6.45	8.78
Eyring, Henry Valentine	Oct. 17, 1890	May 29, 1900	7.12	8.42
<b>Fagundus, J. VanBuskirk</b>	Dec. 6, 1891	Sept. 24, 1901	7.45	9.44
Farrell, Edward	Jan. 26, 1893	Jan. 31, 1901	7.36	7.42
Fetterolf, Earl Raymond	April 11, 1891	Dec. 29, 1899	6.94	6.80
Fewkes, Melvin Locke	April 25, 1892	May 29, 1900	6.87	7.94
Fizone, Joseph Earl	July 27, 1891	Sept. 26, 1899	7.34	8.20
Flanagan, John Daniel	Aug. 21, 1891	May 31, 1899	7.78	9.20
Flannery, Edmund	Nov. 15, 1890	Oct. 5, 1899	6.05	7.97
Fleming, Harry Gardner	July 30, 1889	Sept. 7, 1897	7.51	7.91
Flick, James Byron	May 17, 1891	Jan. 31, 1901	8.43	9.83
Ford, Walter	Jan. 9, 1890	Jan. 8, 1900	6.94	7.58
Fossett, William John	June 16, 1894	Jan. 31, 1902	8.00	8.24
Franke, Lewis Frederick	Oct. 27, 1891	Dec. 29, 1899	6.99	8.57
Frasch, Wm. Geo. Herbert	Jan. 29, 1891	Dec. 29, 1899	7.27	6.68
Fravel, Lester David	June 15, 1890	Dec. 30, 1898	7.55	7.96
Free, Ira Maxwell	Dec. 5, 1889	Dec. 30, 1898	7.85	8.29
Freeman, Henry Clay	Nov. 19, 1890	Sept. 25, 1900	8.32	8.11
Frey, Elmer Raymond	Sept. 6, 1892	Sept. 25, 1900	7.84	8.48
Friday, Leroy Livingston	Nov. 22, 1890	May 29, 1900	7.25	9.96
Friedrich, John Henry	Sept. 20, 1891	Dec. 29, 1899	8.42	8.23
Fry, Philip Dietz	Oct. 18, 1892	June 27, 1902	8.36	9.07
Frye, Clayton Ellwood	Sept. 27, 1889	Dec. 31, 1897	7.43	9.23
Frye, Guy Redfield	Oct. 11, 1891	June 28, 1901	7.59	8.30
Futcher, Arthur Joseph	Feb. 11, 1891	Jan. 31, 1901	7.89	7.03
<b>Galbraith, Harvey H.</b>	April 6, 1893	Jan. 30, 1903	9.22	8.94
Gallagher, Granville Wayne	Nov. 15, 1893	June 27, 1902	8.06	8.92
Gardner, Eugene	Sept. 12, 1891	June 28, 1901	7.66	8.40
Garner, Jos. Lougworth F.	Nov. 7, 1889	Dec. 31, 1897	5.77	9.33
Gehris, John	Jan. 24, 1890	June 1, 1898	8.13	6.71
Gehris, Paul Lafayette	March 28, 1890	June 1, 1898	7.86	5.96
Gerhart, Clarence	May 11, 1893	June 28, 1901	7.18	8.98
Gerney, Ernest John	Jan. 24, 1890	June 1, 1898	5.97	9.15
Given, Albert Bailey	April 8, 1891	May 31, 1899	6.79	5.57
Gleason, Raymond	March 11, 1892	Jan. 31, 1901	6.56	7.39
Goldstein, Benjamin	April 22, 1892	Jan. 3, 1899	7.29	7.61
Golightly, William	June 8, 1890	Sept. 30, 1898	7.06	6.31
Goodyear, Frederick Oliver	Dec. 10, 1891	Sept. 25, 1900	7.94	8.30
Gority, William Arthur	April 9, 1892	July 16, 1901	8.37	8.44
Gormley, John	Dec. 12, 1891	Dec. 29, 1899	7.28	5.18
Goshaw, Harry Morison	April 23, 1892	April 14, 1902	7.90	8.47
Grady, Morris Max	April 12, 1891	May 29, 1900	8.01	7.48
Graham, William Ernest	May 3, 1891	May 31, 1899	6.85	8.39
Gray, Roland Malvern	Jan. 18, 1892	June 28, 1901	8.01	6.46
Gray, Thomas Alexander	April 25, 1892	May 29, 1900	7.57	7.16
Green, Howard Edward	Nov. 6, 1892	Sept. 24, 1901	8.14	8.62
Green, Samuel	July 20, 1892	Sept. 25, 1900	7.56	7.16
Griffiths, David Ernest	July 16, 1892	Jan. 31, 1901	8.03	9.25
Groff, Ellis Percival	Dec. 20, 1891	Jan. 31, 1901	6.94	8.48
Groome, John Campbell	Jan. 4, 1891	Dec. 30, 1898	8.41	8.52



## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Gummo, Charles Floyd	Sept. 13, 1892	June 27, 1902	7.80	9.24
Gundlach, Jacob	Aug. 25, 1892	Sept. 25, 1900	8.32	8.05
Gunther, Louis William	Feb. 11, 1892	Feb. 10, 1902	8.35	8.81
Gutenberger, Christian A.	April 13, 1893	Jan. 31, 1902	8.19	8.09
<b>Hack, Frederick Philip</b>	Sept. 17, 1891	Sept. 26, 1899	7.39	8.02
Hagan, John	June 5, 1892	May 29, 1900	6.91	8.16
Hagerty, Paul Edward	June 9, 1890	Jan. 24, 1900	7.19	7.36
Hagerty, Wilford Leo	July 21, 1892	Jan. 31, 1902	7.85	9.51
Hahn, August John	July 2, 1891	Dec. 29, 1899	6.65	7.94
Haist, Frederick Christian	Jan. 27, 1890	June 1, 1898	5.87	6.81
Haldeman, Charles Lamont	May 19, 1891	Jan. 31, 1901	8.04	7.38
Haldeman, George Widden	Sept. 9, 1891	May 29, 1900	7.38	7.35
Hall, Harry Herman	July 11, 1892	June 28, 1901	8.13	9.44
Hampton, Roy	April 5, 1891	May 29, 1900	6.59	7.60
Hanna, Charles Raymond	Feb. 14, 1892	Dec. 29, 1899	8.21	6.66
Harding, John Mitchell	Oct. 20, 1891	Jan. 31, 1901	8.25	7.78
Harrigan, John Conway	March 8, 1892	April 28, 1898	7.29	7.40
Harrigan, Robert John	Jan. 29, 1890	May 29, 1896	5.97	7.73
Harris, William Evan	Jan. 16, 1890	Dec. 29, 1899	7.04	7.48
Hartman, Eugene Edward	May 18, 1892	Jan. 31, 1901	7.42	8.13
Hatch, Howard Edward	Feb. 8, 1893	Sept. 24, 1901	7.52	8.95
Haüssler, Carl August F.	Dec. 8, 1892	May 29, 1900	7.57	8.52
Hawley, Charles Edward	Jan. 8, 1891	Dec. 30, 1898	7.42	8.06
Hazlitt, Henry Stuart	Nov. 28, 1894	Jan. 31, 1901	7.98	8.36
Hendershot, Ira Hibler	Aug. 19, 1891	July 1, 1901	7.06	9.46
Hendricks, William Koch	Aug. 9, 1891	Sept. 25, 1900	6.90	7.51
Henly, John	April 25, 1890	Sept. 26, 1899	6.64	6.54
Herring, George Sewell	June 20, 1890	May 29, 1900	7.03	7.31
Herring, James	June 5, 1892	Jan. 31, 1901	8.17	9.90
Herrmann, William Gailey	March 11, 1891	May 31, 1899	7.77	6.58
Hershinger, Harry Bauman	Nov. 23, 1891	June 28, 1901	8.09	8.81
Hess, John Haeflich	Jan. 4, 1892	Dec. 29, 1899	6.79	8.35
High, Lewis Evans	Dec. 14, 1891	June 28, 1901	7.37	7.78
Hirk, William Winfield	Oct. 17, 1890	Oct. 25, 1898	7.34	8.55
Hoffman, Elmer Ellsworth	May 17, 1891	May 31, 1899	6.62	8.00
Holt, Alfred	June 20, 1892	Jan. 31, 1902	8.61	9.79
Hoover, Earl Francis	July 15, 1891	Sept. 26, 1899	7.78	8.02
Horle, Christian W.	Oct. 2, 1892	Jan. 31, 1901	7.90	8.51
Horle, William Christian	Feb. 21, 1891	Jan. 31, 1901	7.47	9.00
Horner, Henry William	Nov. 6, 1891	May 29, 1900	7.41	7.24
Howrie, Samuel	April 30, 1892	Sept. 25, 1900	6.79	6.18
Hughes, David S.	Oct. 20, 1889	June 13, 1899	5.19	8.36
<b>Irvin, Walter William</b>	Jan. 20, 1889	Sept. 7, 1897	6.86	8.60
<b>Jahn, John Henry</b>	Dec. 17, 1889	June 1, 1898	6.96	7.11
James, Joseph	July 27, 1891	Jan. 31, 1901	7.63	8.29
Jenkins, Gwilym A.	Sept. 6, 1893	June 27, 1902	9.10	9.27
Johnsen, Christian Ingomar	May 6, 1892	Jan. 31, 1901	6.21	8.81
Johnson, James Kennedy	Aug. 21, 1891	Dec. 29, 1899	8.34	8.04
Jolly, Robert Bruce	Jan. 2, 1890	June 1, 1898	7.09	7.15
Jones, Albert	Aug. 18, 1890	June 7, 1899	6.93	6.14
Jones, Clarence Dittes	May 30, 1894	Sept. 23, 1902	8.43	9.32
Jones, Edward Howell	July 20, 1893	Jan. 30, 1903	8.57	8.30
<b>Kane, Thomas</b>	Sept. 29, 1892	Jan. 31, 1901	8.06	9.34
Kauffman, Victor Preston	March 31, 1889	Sept. 30, 1898	7.64	9.03

## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Keenan, Francis	July 15, 1893	Oct. 2, 1902	8.83	9.63
Keller, Charles	March 30, 1891	Jan. 12, 1899	7.56	6.97
Keller, George Albert	Nov. 18, 1889	Oct. 25, 1898	7.53	9.23
Kelly, Brower Pierson	Sept. 27, 1893	Jan. 31, 1902	7.52	9.05
Kennedy, Thomas Joseph	May 26, 1891	May 31, 1899	6.44	7.32
Kensinger, William Gage	July 4, 1892	Jan. 31, 1901	7.87	8.69
Kenvin, Hartley	June 29, 1892	Sept. 25, 1900	6.97	4.81
Kenworthy, Wm. Frederick	Oct. 27, 1892	Jan. 31, 1901	7.37	7.06
Kerschner, Joseph Edward	Jan. 13, 1893	June 28, 1901	6.66	8.02
Keyser, Franklin	Jan. 29, 1891	May 31, 1899	7.78	8.04
King, John Earl	Jan. 13, 1892	Jan. 17, 1900	7.71	8.89
Kington, George Henry	Jan. 15, 1892	May 29, 1900	8.13	6.42
Kissinger, Howard Shenk	March 28, 1891	Jan. 31, 1901	7.88	6.80
Kitselman, Henry Allen	June 14, 1893	June 22, 1899	7.54	7.56
Kleinert, Clarence Chester	Nov. 12, 1891	May 29, 1900	6.75	7.14
Klump, Ellwood Jonas	Dec. 19, 1893	Feb. 13, 1902	7.85	8.08
Knodle, Martin Luther	Aug. 27, 1892	June 27, 1902	8.47	9.28
Koch, Julius	July 13, 1890	Dec. 29, 1899	6.67	8.59
Koppel, Ferdinand	March 24, 1891	May 29, 1900	7.76	7.39
Kotter, Joseph	May 7, 1892	May 29, 1900	7.15	8.48
Krauss, Edgar George	Sept. 27, 1890	May 29, 1900	7.35	8.44
Krewson, Purdy Hellings	May 2, 1892	May 29, 1900	7.27	8.42
Kromer, Frank Arthur	July 12, 1892	Feb. 14, 1902	8.32	7.49
Kutz, Earl Marvin Addison	Jan. 9, 1893	Jan. 31, 1902	7.49	6.44
Kutz, Morris Henry	July 8, 1893	Sept. 24, 1901	6.65	5.65
<b>Lake, Rowland Edw.</b>	Sept. 8, 1890	Dec. 29, 1899	7.19	9.16
Latham, Leslie Krauss	June 11, 1893	Sept. 24, 1901	8.76	9.47
Lavein, Jacob	Sept. 13, 1892	July 10, 1901	7.96	8.13
Lees, James Walter	July 14, 1893	Sept. 24, 1901	8.01	8.51
Lehman, Evan Kenneth	Sept. 28, 1892	June 27, 1902	8.54	8.38
Liddell, Morgan Alexander	Jan. 1, 1890	May 31, 1899	7.03	8.78
Lingo, Elmer Paynter	Nov. 2, 1891	Dec. 29, 1899	7.53	7.05
Long, Andrew Johnson	Dec. 16, 1892	Jan. 31, 1901	8.10	9.21
Longabaugh, George Wm.	Jan. 16, 1890	Dec. 29, 1899	7.62	7.07
Lord, Clifford Blaine	Oct. 6, 1891	Jan. 9, 1900	7.75	7.62
Loughery, James William	June 23, 1890	Dec. 29, 1899	6.71	8.42
Loughery, Thomas Edward	June 2, 1889	Jan. 21, 1898	7.51	8.29
Loughran, Frank	Feb. 16, 1891	May 29, 1900	6.75	7.10
Lowry, William Stewart	June 12, 1893	Sept. 24, 1901	7.69	8.27
Ludwig, George Washington	June 21, 1892	Jan. 31, 1901	8.07	8.49
Ludwig, James Albert	July 10, 1890	June 1, 1898	6.88	7.55
Lukens, George Alexander	Nov. 4, 1890	Dec. 30, 1898	7.40	7.04
Luning, Walter Edward	July 5, 1892	June 28, 1901	6.77	7.59
Lynn, Charles Wesley	Jan. 1, 1893	Jan. 31, 1902	7.65	8.93
Lyons, John Joseph	Aug. 13, 1891	July 11, 1901	8.33	8.34
<b>McBride, Edgar H.</b>	Sept. 22, 1892	Sept. 25, 1900	7.51	8.88
McConnell, Samuel Young	Sept. 3, 1893	Jan. 31, 1902	8.18	8.73
McGoldrick, Maurice	Aug. 29, 1891	Dec. 29, 1899	6.62	6.85
McGuire, John	Sept. 5, 1890	June 16, 1899	7.83	8.79
McKee, Henry Edward	Sept. 29, 1892	June 28, 1901	7.59	7.88
McKee, John Hamilton	Jan. 25, 1892	May 29, 1900	8.55	7.77
McLaren, John Harold	July 25, 1891	May 29, 1900	6.76	8.22
McLaughlin, Francis	Feb. 10, 1891	Dec. 29, 1899	5.88	8.28
McLean, Edward Irwin	Jan. 5, 1892	May 29, 1900	8.03	7.44

## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
McNamee, Robert Seaman	April 24, 1892	Feb. 18, 1901	8.44	8.40
McQuiston, Harry Grant	May 11, 1893	June 28, 1901	7.97	7.58
MacDonald, Harry Taggart	March 16, 1892	May 29, 1900	8.13	9.04
Maguire, John	Aug. 21, 1889	May 29, 1896	6.01	6.64
Maihner, John Joseph	June 5, 1891	May 31, 1899	7.36	5.26
Malcomson, John Abram	July 6, 1893	Sept. 24, 1901	8.34	8.65
Manton, Thomas Frederick	Sept. 7, 1889	May 31, 1899	7.28	9.23
Mars, Joseph Walter Liston	Nov. 27, 1892	Jan. 31, 1902	7.75	9.40
Marsh, Wm. R. Pattison	Sept. 13, 1889	Nov. 1, 1898	5.86	8.66
Martin, Henry Jerome	March 6, 1894	June 27, 1902	8.73	9.08
Martin, John Warren	April 16, 1893	Jan. 31, 1902	7.26	6.15
Martz, Ellwood Paul	Aug. 19, 1890	May 29, 1900	8.11	9.55
Mason, James	Oct. 30, 1890	Sept. 26, 1899	6.13	8.30
Matthews, James Frank	Sept. 22, 1889	June 1, 1898	7.51	7.58
Maule, Julian Ralph	Sept. 8, 1893	June 27, 1902	8.40	7.11
Maurer, Jesse Cleaver	July 26, 1890	Sept. 30, 1898	6.22	7.62
Maurer, William Arlington	Dec. 12, 1892	Jan. 31, 1901	7.37	8.61
Maust, Harry Ray	Nov. 25, 1889	Sept. 15, 1898	7.54	6.71
May, Edward Francis	March 15, 1893	Sept. 24, 1901	8.18	8.41
Mayne, William Adam	March 9, 1893	Feb. 26, 1903	9.12	9.18
Meanor, John Wendell	Nov. 30, 1892	June 27, 1902	7.92	9.06
Meanor, Robert Carlton	Nov. 30, 1892	June 27, 1902	7.96	8.74
Meehl, Harry Staley	Jan. 25, 1893	Sept. 24, 1901	8.47	9.13
Mehring, Edgar LeRoy	July 16, 1892	Sept. 25, 1900	8.34	8.76
Menow, Samuel Benjamin	May 26, 1893	Jan. 31, 1902	7.50	9.57
Michener, Frederick Coply	Nov. 8, 1891	Jan. 31, 1901	8.00	8.87
Miller, Alpha Raymond	March 31, 1892	May 29, 1900	8.24	7.13
Miller, Clifford Shuff	June 13, 1891	Jan. 31, 1901	6.66	8.10
Miller, Ericson Colon	July 27, 1893	Jan. 31, 1902	8.00	8.08
Miller, Guy Ralph	March 31, 1892	Jan. 31, 1902	7.75	8.67
Milliken, George Winfield	June 20, 1891	Jan. 8, 1900	7.61	7.72
Mitchell, William Hughes	Aug. 6, 1892	Jan. 31, 1901	7.38	8.38
Moat, William Harold	April 12, 1893	June 28, 1901	7.66	8.99
Molina, Frederick John	March 23, 1891	Sept. 25, 1900	7.24	7.08
Montgomery, Thomas P.	July 17, 1890	Dec. 29, 1899	7.74	9.61
Moody, William Orlando	July 28, 1892	Jan. 31, 1902	7.20	7.93
Moore, Henry Wislar	June 27, 1891	May 31, 1899	6.88	5.71
Moore, William Brooke	June 28, 1891	May 29, 1900	7.75	9.28
Moore, William Colbert	March 1, 1892	May 29, 1900	7.18	7.01
Morgan, Alfred	July 8, 1892	Sept. 24, 1901	8.06	8.08
Morris, George Thorn	April 27, 1892	May 29, 1900	7.51	9.18
Morrissey, James	Aug. 31, 1892	Sept. 25, 1900	7.13	7.40
Mosley, George	Jan. 25, 1894	Sept. 23, 1902	8.81	9.68
Moulder, Roger Wilmer	Feb. 19, 1892	May 29, 1900	6.38	8.52
Mowery, Jesse Raymond	March 29, 1893	Jan. 31, 1902	7.85	7.28
Mulhern, Thomas	Nov. 4, 1893	Jan. 31, 1902	7.87	9.21
Müller, Frank Lawrence	May 9, 1890	Dec. 30, 1898	7.33	9.25
Murray, Charles Edwin	Jan. 24, 1892	June 28, 1901	6.62	8.62
Myers, Albert Carter	Sept. 28, 1891	Jan. 31, 1901	7.44	8.28
Myers, John Earl	Jan. 7, 1893	June 28, 1901	8.21	9.40
Myers, Richard London	Aug. 22, 1890	Dec. 30, 1898	6.29	6.90
Nagel, Harry Edward	July 27, 1891	May 31, 1899	7.20	7.34
Neitzel, Herman	July 8, 1893	Jan. 31, 1902	7.50	8.08
Newman, Leroy Arthur	May 7, 1892	May 29, 1900	7.42	9.24

## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Newman, Robert Cliff	April 19, 1892	Sept. 25, 1900	7.47	8.63
Noll, Robert Henry	Oct. 3, 1891	Oct. 3, 1899	6.93	8.59
Nye, John William	Aug. 21, 1890	Dec. 30, 1898	7.90	8.75
<b>Oldroyd, Frederick</b>	Oct. 17, 1892	Jan. 31, 1901	8.34	8.79
Oler, Henry John	June 23, 1889	May 31, 1899	4.84	8.84
Orr, Walter Raymond	Jan. 15, 1892	May 29, 1900	7.24	6.52
Orth, John Nicholas	March 14, 1889	Jan. 2, 1897	6.98	7.91
Osborn, Robert	Dec. 9, 1890	Dec. 30, 1898	7.83	6.98
Overdorf, John Howard	Dec. 26, 1892	Jan. 31, 1901	7.93	9.49
<b>Pague, Ellsworth</b>	April 8, 1890	Dec. 30, 1898	6.11	7.06
Palmer, Samuel Henry	April 30, 1892	Jan. 31, 1901	7.58	7.19
Parncutt, Charles Harrison	April 22, 1889	Sept. 6, 1897	6.15	7.55
Patton, John William	Oct. 24, 1892	Jan. 31, 1901	8.57	10.00
Patton, William Earl	Aug. 19, 1890	May 29, 1900	7.08	9.54
Paxson, Earle Doan	May 17, 1892	Sept. 25, 1900	7.67	7.68
Pfander, George Frederick	May 25, 1892	May 29, 1900	6.35	8.24
Picton, Stanley	Aug. 2, 1891	Dec. 29, 1899	7.94	8.56
Pipes, Harry Oliver	Dec. 9, 1892	June 28, 1901	6.90	7.27
Plate, Nicholas Ernest	May 18, 1891	June 1, 1900	6.90	9.25
Pleiss, George Luther	Nov. 30, 1890	Sept. 30, 1898	7.76	8.18
Powell, Henry Joseph	Oct. 2, 1891	Sept. 26, 1899	8.49	9.31
Pressler, William	Jan. 29, 1891	May 29, 1900	7.55	8.14
Priester, George Washington	May 4, 1891	Dec. 29, 1899	7.71	7.37
<b>Quinn, William</b>	April 7, 1893	June 28, 1901	8.01	8.30
<b>Ralston, Joseph</b>	March 4, 1891	Sept. 6, 1897	6.45	6.34
Ramm, Augustus	Oct. 31, 1890	Dec. 30, 1896	7.90	7.55
Ranck, Earl Douglass	Nov. 30, 1892	Jan. 31, 1902	8.77	8.86
Ranck, Harry Roland	July 27, 1893	Sept. 24, 1901	8.01	9.63
Rapelyea, Francis	Nov. 4, 1891	June 28, 1901	8.35	9.02
Rathgeber, George Jacob	Aug. 16, 1893	Jan. 31, 1902	8.07	8.70
Reade, Harry	Jan. 20, 1892	Dec. 29, 1899	7.75	8.35
Reid, George Elmer	June 5, 1893	Sept. 24, 1901	7.94	7.05
Reimer, Jeremiah Walter	Oct. 7, 1892	June 28, 1901	8.30	8.86
Rendelman, Harry	June 9, 1891	Jan. 31, 1901	8.31	8.40
Rhoads, Arthur Stevens	June 10, 1893	June 28, 1901	7.67	9.10
Richards, Claude Wesley	Oct. 20, 1892	Jan. 31, 1902	8.34	9.54
Richter, Robert Otto	Sept. 30, 1893	Jan. 31, 1902	8.06	7.97
Richter, William Otto	Aug. 3, 1890	Dec. 29, 1899	6.87	8.02
Rieker, Charles	Dec. 18, 1890	June 13, 1900	7.80	7.82
Riess, John Louis	April 6, 1893	June 28, 1901	7.84	8.49
Rink, Robert William	June 29, 1892	Jan. 31, 1902	7.79	8.90
Rodney, Franklin	Dec. 3, 1892	Jan. 31, 1902	8.45	9.98
Rommel, Albert Ludwig	April 13, 1892	Jan. 31, 1901	7.19	7.11
Roorbach, Agnew Oglevie	March 27, 1892	May 29, 1900	7.35	9.05
Roscoe, Frank	Nov. 22, 1892	Jan. 31, 1901	7.49	8.28
Ross, Robert Hamilton	Nov. 19, 1892	June 27, 1902	8.63	8.92
Rowe, Edward Griffiths	Jan. 12, 1891	Dec. 30, 1898	7.04	7.68
Rudolph, Richard William	Feb. 18, 1892	Feb. 17, 1902	7.40	8.08
Rupert, Flemuel Trumen	Sept. 24, 1888	June 15, 1898	6.13	9.19
Rupert, Henry Bell	Dec. 29, 1889	June 15, 1898	6.41	8.04
Ruth, Charles Henry	Jan. 13, 1890	June 1, 1898	7.12	8.72
<b>Sachs, J. F. William</b>	May 20, 1893	Feb. 13, 1902	8.61	8.97
Sands, Harry Sommers	Aug. 1, 1893	Jan. 31, 1902	6.84	7.57
Santman, John	Dec. 12, 1889	Dec. 31, 1897	7.42	8.02



## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Sauter, Jacob	Dec. 15, 1891	Dec. 29, 1899	7.91	9.17
Scattergood, Howard Nelson	June 3, 1892	Sept. 24, 1901	8.29	9.39
Schairer, Henry Theodore	Dec. 26, 1890	May 31, 1899	7.24	9.07
Scheiderer, William George	March 14, 1891	Sept. 25, 1900	6.90	8.28
Schindler, Norman Taylor	Sept. 23, 1890	Sept. 19, 1900	8.02	7.53
Schmidt, Aloysius	July 25, 1893	Sept. 26, 1899	8.15	5.20
Schofield, Isaac Bierly	Sept. 15, 1890	Sept. 30, 1898	6.75	6.42
Schulz, L. Francis Charles	Nov. 19, 1892	June 28, 1901	7.71	6.77
Schwartz, Harry August	Dec. 5, 1889	Dec. 31, 1897	7.02	8.69
Sellers, Norman Leroy	Aug. 21, 1894	Jan. 30, 1903	7.23	7.81
Sembach, John Elmer	Sept. 12, 1891	June 28, 1901	7.62	9.29
Seward, John Leroy	March 11, 1892	June 5, 1900	7.36	7.35
Sharp, Wm. Christian	May 15, 1891	Dec. 29, 1899	8.07	7.89
Shauger, Robert Fergus	Feb. 8, 1893	Sept. 24, 1901	9.27	7.95
Shaw, Russel Christopher	June 13, 1889	May 31, 1899	5.89	5.35
Shaw, Williard Hartwell	June 22, 1891	May 31, 1899	7.03	7.58
Shelmire, Howard Sickel	Feb. 5, 1893	June 27, 1902	7.95	8.29
Showers, Cecil Claire	Feb. 16, 1891	Jan. 9, 1900	7.38	7.65
Sibbet, Alfred	March 7, 1892	Jan. 31, 1901	6.22	8.68
Sigel, Ralph	Sept. 19, 1891	Dec. 29, 1899	7.39	6.92
Sinclair, Clifford	Oct. 5, 1892	Sept. 25, 1900	7.12	8.25
Sly, Robert Brown	Feb. 24, 1893	May 31, 1899	7.82	6.78
Smith, Albert Thomas	Aug. 25, 1891	Sept. 26, 1899	6.99	8.70
Smith, Christian Frederick	May 22, 1892	May 29, 1900	7.45	9.32
Smith, Clayton Hersh	Aug. 19, 1892	June 28, 1901	7.84	8.96
Smith, William	July 9, 1892	July 16, 1901	6.12	8.48
Smith, William Hoffman	Sept. 25, 1892	June 27, 1902	8.16	9.32
Smith, William Stanley	April 2, 1892	Jan. 31, 1901	7.86	9.19
Sontgen, Edward	April 25, 1892	Sept. 25, 1900	7.38	8.97
Sparver, William Harrison	Sept. 16, 1893	Jan. 31, 1902	8.38	7.75
Spengler, Edward F.	Jan. 12, 1889	June 1, 1898	5.23	9.11
Spiece, Carl Frederick	Nov. 30, 1890	Dec. 30, 1898	6.50	7.97
Starr, Charles Wesley	Dec. 25, 1891	May 29, 1900	6.22	8.13
Steckle, Henry Preston	July 6, 1893	Sept. 23, 1902	8.29	8.62
Stewart, Irvin Alexander	March 14, 1892	May 29, 1900	7.51	8.53
Stiles, Thomas Truxton	May 3, 1892	May 29, 1900	7.48	6.20
Stone, Raymond Joseph	Oct. 7, 1890	Oct. 3, 1898	6.65	6.75
Stranaghan, Albert	Feb. 24, 1891	Dec. 30, 1898	7.80	6.85
Stranaghan, William	Sept. 28, 1892	Jan. 31, 1902	7.10	6.92
Swan, Arthur Raymond	June 25, 1892	Jan. 31, 1901	8.31	8.86
Swingle, Ernest Monroe	Nov. 13, 1891	Jan. 9, 1900	6.65	7.09
<b>Tay, Lewis Rufus</b>	June 29, 1892	June 27, 1902	8.40	8.36
Templeton, John	March 29, 1893	Sept. 25, 1900	8.45	8.49
Thompson, Thomas Asbury	Jan. 12, 1892	Dec. 29, 1899	8.71	7.91
Tiffany, Robert Kessler	Jan. 18, 1891	May 29, 1900	6.42	8.50
Townsend, Alfred Eugene	July 3, 1892	Jan. 31, 1902	8.14	8.34
Travis, John Wilbur	Nov. 14, 1891	Sept. 30, 1901	6.87	8.24
Treaster, George James	Sept. 13, 1891	Sept. 26, 1899	8.02	8.75
Treaster, Harvey Reuben	Jan. 19, 1893	Jan. 31, 1901	8.53	8.05
Triggs, Joseph Raphael	Dec. 29, 1890	Dec. 29, 1899	6.05	6.48
<b>Uren, Harry Lemuel</b>	Oct. 25, 1892	Jan. 31, 1902	7.68	9.37
Uren, John Noble	April 14, 1891	Sept. 26, 1899	5.35	9.27
<b>Volgt, Conrad Ferdin'd</b>	Oct. 13, 1891	Sept. 26, 1899	7.95	8.88
Wakeman, Richard Neil	April 27, 1891	June 15, 1900	8.33	8.45



## SECOND FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Wardle, Harry Rhoads	June 16, 1890	May 29, 1900	6.79	3.71
Warfel, William Daniel	July 31, 1890	Sept. 26, 1899	7.51	7.75
Watters, Thomas John	May 15, 1894	June 27, 1902	7.99	9.07
Weaver, George Frederick	Feb. 12, 1893	Jan. 31, 1902	8.26	6.81
Weaver, Lester Ulrich	Nov. 21, 1892	June 28, 1901	8.76	8.80
Weber, Edward Lewis	July 28, 1891	May 29, 1900	6.83	8.56
Weber, Louis William	Sept. 24, 1892	June 28, 1901	7.23	9.41
Weiss, Harry Stanton	Sept. 14, 1891	Sept. 26, 1899	7.26	6.33
Werner, Jacob Herman	Nov. 25, 1891	Dec. 29, 1899	7.71	8.52
Wetterau, Leader Emerson	Oct. 2, 1894	Jan. 30, 1903	8.95	9.99
Wetzel, Adam Coller	Nov. 20, 1890	May 31, 1899	7.90	7.60
Whalen, George Philip	Dec. 14, 1889	June 1, 1898	6.92	7.08
Wigham, Wesley Eugene	June 26, 1891	Sept. 25, 1900	7.56	9.59
Wilkinson, Raymond Wm.	June 23, 1893	Jan. 30, 1903	8.58	8.49
Williams, John Reese	Feb. 18, 1891	May 31, 1899	7.03	6.22
Willis, Thomas John	May 27, 1889	Feb. 11, 1898	7.15	8.35
Wills, Howard Elmer	Nov. 17, 1891	June 28, 1901	7.57	8.26
Wills, Walter	June 2, 1889	June 1, 1898	6.21	7.03
Wilmer, Ervin Brant	Feb. 3, 1891	Dec. 30, 1898	6.41	7.81
Wilson, James Edson	Feb. 6, 1889	Dec. 30, 1896	7.23	7.17
Winslow, Frank Edward	Nov. 1, 1893	June 27, 1902	7.70	9.26
Winter, Henry Charles	July 8, 1890	May 31, 1899	7.06	6.39
Wintersteen, Howard	Nov. 12, 1890	Dec. 29, 1899	6.05	6.75
Wolfson, Joseph	July 4, 1893	Sept. 24, 1901	6.99	7.99
Woloszyk, Leo Frank	Aug. 21, 1892	Jan. 31, 1901	8.81	9.01
Wooding, Raymond Adam	April 12, 1891	Jan. 31, 1901	6.97	9.31
Worrell, Leonard Simcox	Jan. 23, 1891	May 29, 1900	7.28	7.99
Wright, Elwin Lawrence	Oct. 29, 1893	Feb. 7, 1902	8.46	9.74
Wright, Mahlon Milnor	Sept. 2, 1892	Sept. 25, 1900	8.43	7.73
Wynne, Edward	Jan. 29, 1892	June 14, 1900	8.38	8.85
<b>Yeahl, William Albert</b>	Sept. 20, 1892	Feb. 14, 1902	7.99	9.51
Young, Ross Howard	Feb. 2, 1890	Dec. 29, 1899	6.93	7.24
<b>Zammichieli, Morris</b>	Dec. 25, 1892	Jan. 31, 1901	8.03	9.03

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
<b>Alderfer, Frank'n Miller</b>	Dec. 31, 1892	July 3, 1901	7.15	6.71
Allison, John Ross	Dec. 29, 1894	Jan. 29, 1904	. .	. .
Altemus, Jerome Bromley	Sept. 11, 1892	Sept. 25, 1900	6.97	8.69
Althouse, Ralph Blaine	Oct. 9, 1894	Jan. 29, 1904	. .	. .
Anderson, George James	Aug. 18, 1894	June 30, 1903	. .	. .
Andrews, Aaron Richard	July 22, 1894	Sept. 22, 1903	. .	. .
Appenzeller, Alfred B.	March 3, 1894	June 27, 1902	9.28	9.86
Arnold, George Henry	Jan. 3, 1891	Dec. 30, 1898	5.88	7.21
Ashby, Price Evans	Sept. 8, 1892	Jan. 31, 1902	6.78	9.50
Atkinson, Raymond Wilmer	Jan. 14, 1893	Jan. 31, 1902	7.47	9.52
Auerswald, Ralph Richard	March 12, 1893	Jan. 30, 1903	8.24	8.97
Auwearter, William	Aug. 16, 1892	Sept. 25, 1900	7.78	8.52
<b>Baer, Charles Franklin</b>	Feb. 7, 1894	Sept. 22, 1903	. .	. .
Bagnell, John Joseph	March 23, 1893	June 27, 1902	9.49	7.96
Bair, Isaac Schaeffer	March 25, 1894	Sept. 23, 1902	7.29	8.72
Baird, John Thomas	Jan. 10, 1894	June 27, 1902	7.75	8.69
Ball, Horace	April 16, 1894	Jan. 30, 1903	8.50	9.25
Bangs, Jesse Hardy	July 30, 1894	Feb. 26, 1903	5.14	8.39
Bannar, Ralph Westwood	Oct. 22, 1895	Jan. 29, 1904	. .	. .
Banner, James	July 26, 1893	Jan. 31, 1901	7.83	7.84
Barlage, Gilbert Shearston	Oct. 24, 1893	June 30, 1903	. .	. .
Barley, Frederick Claude	July 1, 1895	Jan. 29, 1904	. .	. .
Barres, Franklin Emerson	Aug. 20, 1895	Jan. 29, 1904	. .	. .
Barthel, Harry Edward	May 20, 1894	June 30, 1903	. .	. .
Baskin, George William	Dec. 2, 1894	Feb. 27, 1903	5.42	7.62
Bassinger, Albert	July 24, 1895	Jan. 29, 1904	. .	. .
Bassinger, John	July 6, 1893	Jan. 31, 1902	6.43	8.69
Beck, Albright Stanley	Oct. 22, 1893	Jan. 31, 1902	8.34	9.15
Becker, Morris	April 20, 1897	Sept. 22, 1903	. .	. .
Beebe, Henry Blake	Aug. 12, 1894	Feb. 14, 1903	4.31	9.01
Beeby, Leon Webb	Oct. 6, 1892	Jan. 31, 1901	6.97	9.64
Beeson, Daniel Lawrence	May 17, 1893	March 5, 1903	3.69	9.17
Behnke, Robert John	Aug. 19, 1894	June 30, 1903	. .	. .
Beisel, Frederick	Nov. 17, 1892	June 27, 1902	5.97	8.71
Betz, Arthur Frederick	June 15, 1892	Sept. 24, 1901	7.31	8.96
Biddle, Ervin Albert	June 16, 1894	Sept. 23, 1902	5.49	6.89
Bilger, Aaron	Dec. 23, 1894	June 30, 1903	. .	. .
Binckley, George	June 8, 1894	Jan. 30, 1903	8.65	8.13
Binckley, Harry	Sept. 3, 1892	May 23, 1902	8.10	6.41
Binder, Christian Frederick	Jan. 10, 1895	Jan. 29, 1904	. .	. .
Bitner, Howard Wilson	Sept. 6, 1893	June 27, 1902	6.41	8.58
Black, Aaron Thomas	March 2, 1894	Jan. 30, 1903	8.77	9.86
Blair, George Eachus	March 31, 1895	Sept. 22, 1903	. .	. .
Blee, William	Sept. 24, 1893	May 29, 1900	7.79	8.63
Blumrick, Howard John	May 22, 1894	June 30, 1903	. .	. .
Bochmann, Emil August	Oct. 18, 1893	June 27, 1902	6.14	8.85
Bohan, William	Sept. 21, 1893	June 27, 1902	7.36	8.19
Bolton, John Richard	Aug. 17, 1892	Sept. 25, 1900	7.99	8.90
Bolton, Russell Barton	Feb. 4, 1894	Jan. 29, 1904	. .	. .
Boughner, Wilford Fillmore	Nov. 28, 1894	Sept. 22, 1903	. .	. .

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Bowden, Edward James	Nov. 25, 1893	June 27, 1902	6.76	7.09
Bowers, Edgar Shuman	Sept. 30, 1894	June 30, 1903	. .	. .
Bowers, Harold John	Sept. 11, 1895	Jan. 29, 1904	. .	. .
Braun, Edward Herman	April 12, 1895	Sept. 22, 1903	. .	. .
Brogan, Edward Wesley	Feb. 18, 1895	Jan. 29, 1904	. .	. .
Bront, John Forest	Sept. 7, 1895	Jan. 29, 1904	. .	. .
Brown, Carl Nesbitt	May 4, 1893	Sept. 23, 1902	8.95	9.17
Brown, David Hay	Jan. 14, 1895	Jan. 29, 1904	. .	. .
Brown, James Getherel	June 23, 1895	Jan. 29, 1904	. .	. .
Brown, Samuel Earl	Jan. 3, 1894	June 27, 1902	7.61	8.47
Brownlee, Alexander R.	Nov. 15, 1894	Jan. 30, 1903	8.14	7.09
Brownlee, James	June 24, 1893	Feb. 13, 1903	7.52	9.72
Brunett, Theodore	Feb. 12, 1894	Jan. 30, 1903	7.32	8.23
Buecheler, William	Feb. 10, 1894	Jan. 29, 1904	. .	. .
Bunge, Vilont	July 23, 1895	Jan. 29, 1904	. .	. .
Burck, George Philip	Sept. 15, 1895	Jan. 29, 1904	. .	. .
Burkhartsmeier, Herman	Dec. 15, 1893	June 27, 1902	7.50	8.78
Burrows, William Judson	June 10, 1893	June 28, 1901	6.32	7.03
<b>Campbell, James Fred'k</b>	March 14, 1894	Jan. 30, 1903	7.07	9.70
Campbell, Robert T. Engart	Aug. 1, 1895	Jan. 29, 1904	. .	. .
Campbell, William	Oct. 27, 1894	June 28, 1901	6.45	7.53
Cappelli, Andrew James	Feb. 6, 1894	Jan. 29, 1904	. .	. .
Carlen, George	Feb. 15, 1895	June 30, 1903	. .	. .
Casey, Alfred	March 8, 1893	June 28, 1901	6.24	7.71
Casey, Edward	March 21, 1894	Sept. 22, 1903	. .	. .
Cassel, George Lukens	Jan. 25, 1893	June 28, 1901	6.67	8.29
Cawood, Henry Franklin	Dec. 26, 1894	June 30, 1903	. .	. .
Chandler, Ferris Swithin	Feb. 27, 1894	Sept. 22, 1903	. .	. .
Chase, Thomas	June 26, 1894	Jan. 30, 1903	8.91	7.73
Christian, Paul Emons	April 22, 1893	Jan. 31, 1902	7.18	8.75
Clark, John Preston	Aug. 14, 1893	June 30, 1903	. .	. .
Cole, Roy Eugene	Aug. 22, 1892	June 27, 1902	6.82	8.95
Collins, John English	Sept. 23, 1892	Sept. 25, 1900	5.92	8.09
Conway, William Powell	Oct. 3, 1894	Jan. 29, 1904	. .	. .
Coolbaugh, William R.	June 5, 1893	Feb. 4, 1903	7.97	8.62
Corbett, Edward Leo	Sept. 23, 1893	Sept. 22, 1903	. .	. .
Cordes, John	Sept. 24, 1894	Feb. 13, 1903	8.47	8.24
Costello, John	Aug. 3, 1892	Sept. 24, 1901	7.37	8.66
Cowden, Grover Cleveland	Dec. 22, 1894	June 30, 1903	. .	. .
Coyle, Philp	May 7, 1894	Feb. 20, 1903	5.17	8.65
Craig, Harry Styer Grove	Sept. 27, 1892	June 27, 1902	7.21	7.33
Craig, William Cochran	July 28, 1892	June 28, 1901	6.71	7.81
Croasdale, Stanley Bunting	Oct. 6, 1894	June 30, 1903	. .	. .
Cubler, Albert Conway	Sept. 1, 1895	Jan. 29, 1904	. .	. .
Cullen, James Patrick	Oct. 28, 1893	Sept. 23, 1903	. .	. .
<b>Daly, David Dudley</b>	Jan. 10, 1894	June 30, 1903	. .	. .
Davies, Edward Henry	Dec. 31, 1891	June 28, 1901	6.30	7.58
Davies, William John	Aug. 9, 1894	Sept. 22, 1903	. .	. .
Davis, William Mellor	Nov. 26, 1891	Dec. 29, 1899	4.53	9.09
Deily, Harold Luther	Oct. 14, 1892	Jan. 31, 1901	6.73	8.25
Delaney, John Donohue	Jan. 1, 1895	Sept. 22, 1903	. .	. .
DeLanguillette, Francis W.	May 30, 1895	Jan. 29, 1904	. .	. .
Devine, John	July 15, 1894	Jan. 31, 1902	5.80	7.46
Devine, John	July 12, 1894	June 27, 1902	8.74	8.36

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Dill, James Walker	June 28, 1896	Sept. 23, 1902	6.58	8.58
Doering, Christopher Walter	Jan. 23, 1893	June 28, 1901	8.50	9.26
Doering, William	Oct. 7, 1890	May 29, 1900	6.88	9.40
Dolbey, Clarence Deville	Oct. 6, 1894	Sept. 22, 1903	. .	. .
Donaghy, David James	Jan. 6, 1894	June 30, 1903	. .	. .
Donecker, John Chester	Sept. 17, 1894	Jan. 30, 1903	9.35	9.99
Dougherty, Joseph Sadleir	March 1, 1894	Sept. 23, 1902	8.48	9.31
Driscoll, Daniel	June 29, 1893	June 28, 1901	6.06	6.02
Driscoll, Timothy	Aug. 2, 1897	Sept. 22, 1903	. .	. .
Duer, Harry T.	Feb. 8, 1895	Sept. 22, 1903	. .	. .
Duff, Francis	Feb. 24, 1895	June 30, 1903	. .	. .
Duffy, William Washington	Dec. 31, 1894	Sept. 22, 1903	. .	. .
Duncan, William Roland	April 28, 1895	Jan. 29, 1904	. .	. .
Dungan, John Dallas	June 25, 1894	Jan. 29, 1904	. .	. .
<b>Eaton, Albert Boyce</b>	July 21, 1894	Jan. 29, 1904	. .	. .
Eckert, Joseph Frank	Jan. 11, 1894	June 30, 1903	. .	. .
Edelman, William McKinley	Aug. 3, 1896	June 30, 1903	. .	. .
Edwards, Allen	Jan. 15, 1894	June 27, 1902	6.30	6.08
Edwards, David John	Aug. 30, 1893	Jan. 30, 1903	8.90	9.34
Enderly, Joseph Clifford	June 3, 1895	Jan. 29, 1904	. .	. .
Engel, Norman Conrad	April 11, 1895	June 30, 1903	. .	. .
Engle, William Lewis	March 25, 1894	Jan. 30, 1903	7.41	8.27
Ernst, Frederick Emil	Feb. 12, 1893	Jan. 31, 1901	8.32	8.09
Etzel, George Francis	June 2, 1895	Jan. 29, 1904	. .	. .
Evans, Lewis	June 17, 1893	March 4, 1903	6.85	8.07
Evans, Melville	March 5, 1893	Sept. 23, 1902	7.20	8.35
Evans, Milton Morgan	Oct. 5, 1894	June 30, 1903	. .	. .
<b>Faiella, Antonio</b>	Feb. 14, 1894	June 30, 1903	. .	. .
Farmer, Harvey Meese	Sept. 17, 1894	Jan. 30, 1903	8.34	9.48
Faust, Harry Elmer	June 30, 1895	Jan. 29, 1904	. .	. .
Faust, Paul Wescoe	Dec. 29, 1893	Sept. 22, 1903	. .	. .
Faust, Walter Craig	July 24, 1894	Jan. 30, 1903	8.04	7.98
Fenton, Charles Francis	March 20, 1895	Jan. 29, 1904	. .	. .
Findeisen, Harry Fletcher	Oct. 10, 1893	March 21, 1902	7.42	8.65
Fink, Charles Ellsworth	July 11, 1893	Sept. 24, 1901	6.19	8.07
Fink, Theodore Thomas	April 20, 1895	June 30, 1903	. .	. .
Finley, George Albert	July 10, 1891	Dec. 29, 1899	5.91	6.76
Fisher, Albert	Sept. 29, 1893	Feb. 13, 1902	7.47	8.81
Fletcher, William	May 23, 1893	Jan. 30, 1903	8.01	8.48
Flick, William	June 20, 1893	Sept. 24, 1901	7.03	8.75
Foley, John Aloysius	Feb. 27, 1894	Jan. 30, 1903	8.06	9.26
Foley, Walter George	May 20, 1894	Jan. 29, 1904	. .	. .
Ford, William Henry	Sept. 8, 1893	June 30, 1903	. .	. .
Fox, Thomas Parkinson	Dec. 19, 1892	June 28, 1901	7.15	9.36
Frantz, Lester Gibson	June 9, 1892	June 28, 1901	8.11	6.77
Frey, Carroll Harold	Oct. 5, 1894	Jan. 30, 1903	8.99	9.32
Fry, Charles Walter	June 19, 1895	Jan. 29, 1904	. .	. .
Fry, Vester Herbert	Sept. 30, 1892	June 28, 1901	7.89	8.07
Fuechsel, Charles Gentner	Nov. 13, 1894	June 30, 1903	. .	. .
Fullerton, Geo. Rotherham	July 15, 1894	Jan. 29, 1904	. .	. .
<b>Gailey, Wm. John T.</b>	Aug. 6, 1893	June 30, 1903	. .	. .
Galvin, James	Dec. 23, 1896	Jan. 30, 1903	4.71	9.54
Galvin, Joseph	Nov. 12, 1893	Sept. 26, 1902	8.30	9.41
Garis, James Franklin	April 17, 1895	Sept. 22, 1903	. .	. .



## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Garretson, Philip Freeborn	May 9, 1895	Sept. 22, 1903	. .	. .
Gavan, Francis Martin	Sept. 30, 1891	Jan. 31, 1901	7.57	7.10
Gavit, Albert Newell	Sept. 16, 1895	Jan. 31, 1902	8.50	8.69
Gerhardt, Frederick Julius	Aug. 17, 1894	June 30, 1903	. .	. .
Gibbons, Raymond Edward	April 4, 1892	Sept. 25, 1900	7.39	9.25
Gilbert, Daniel Walton	July 1, 1895	Sept. 22, 1903	. .	. .
Gillespie, William John	April 23, 1894	June 27, 1902	8.14	9.54
Given, Robert Andersou	Jan. 8, 1894	May 29, 1900	7.59	9.28
Glatthorn, Raymond Otto	Jan. 9, 1895	June 30, 1903	. .	. .
Godown, Earl	Nov. 28, 1893	Jan. 30, 1903	7.79	9.69
Gority, Francis Edward	June 4, 1894	Sept. 23, 1902	7.30	8.80
Gormley, James	Sept. 14, 1894	March 4, 1903	6.05	9.06
Govan, Harold	June 29, 1894	Jan. 29, 1904	. .	. .
Grace, Charles Edward	May 31, 1893	Jan. 31, 1902	8.59	8.84
Graham, Horace Hamilton	Jan. 31, 1894	Jan. 30, 1903	8.18	9.28
Gray, Risdén Homer	April 3, 1894	Jan. 30, 1903	8.36	7.90
Graziani, Frank	May 8, 1895	Sept. 22, 1903	. .	. .
Greenawalt, Harry	Feb. 22, 1895	June 30, 1903	. .	. .
Greenhalgh, Earl	Aug. 27, 1892	June 27, 1902	6.67	8.86
Griffith, Allen Leroy	July 8, 1893	June 27, 1902	7.88	7.15
Groff, Michal Brook	May 28, 1895	Jan. 29, 1904	. .	. .
Gruel, August Lloyd	April 3, 1894	June 27, 1902	7.21	10.00
Gruel, Harold Kirk	Aug. 31, 1895	Jan. 29, 1904	. .	. .
Guthrie, Walter Herman	June 2, 1893	Sept. 24, 1901	7.97	8.06
<b>Haas, Jacob William</b>	Aug. 13, 1893	Sept. 24, 1901	7.30	7.70
Haas, John Edward	June 13, 1894	Sept. 23, 1902	8.49	8.41
Haeberle, Edward Wm. P.	June 1, 1893	June 27, 1902	9.30	8.14
Haggerty, Leonard Craig	July 6, 1894	Sept. 23, 1902	8.89	8.53
Haire, August Frederick	Oct. 8, 1895	Jan. 29, 1904	. .	. .
Haire, John Henry	Oct. 1, 1893	June 30, 1903	. .	. .
Hall, Alonzo Handley	Sept. 26, 1894	Jan. 30, 1903	9.26	9.66
Hall, George Allen	July 18, 1895	Sept. 22, 1903	. .	. .
Harris, Earl Arthur	Aug. 19, 1894	June 30, 1903	. .	. .
Harris, Guy Russel	Sept. 25, 1895	Jan. 29, 1904	. .	. .
Harris, Thomas	Dec. 31, 1893	June 27, 1902	6.83	7.90
Hartford, Warren Weaver	March 11, 1892	Jan. 31, 1902	7.64	8.15
Hartford, William Register	July 5, 1894	Jan. 30, 1903	8.74	8.79
Hatten, Henry Ivan	July 2, 1892	Jan. 31, 1902	7.15	8.57
Haas, Elmer Sebastian	Feb. 25, 1894	June 27, 1902	7.34	8.69
Heller, Samuel	Dec. 1, 1893	Jan. 30, 1903	8.83	8.26
Hendricks, Percy Corson	Jan. 27, 1894	Jan. 30, 1903	6.92	9.02
Hermann, Joseph	Feb. 16, 1894	June 27, 1902	6.23	7.20
Herring, Charles Homer	June 16, 1894	Sept. 23, 1902	8.60	7.07
Hetherington, Chas. Edwin	Sept. 25, 1892	Sept. 24, 1901	7.99	7.22
Hettler, Jacob Frederick	Dec. 6, 1894	June 30, 1903	. .	. .
Hewitt, John Lauder	Sept. 13, 1893	Jan. 31, 1902	7.96	6.41
High, Abner Evans	Sept. 14, 1893	Jan. 31, 1902	8.43	8.14
Hill, Robert Kirkland	May 12, 1894	Sept. 23, 1902	8.93	6.37
Hinkle, Rawley Howard	Dec. 29, 1892	Sept. 23, 1902	8.34	9.44
Hoch, George Raymond	March 4, 1895	June 30, 1903	. .	. .
Hogarth, Charles Mennell	Dec. 2, 1893	July 16, 1902	9.07	9.06
Hoover, John	Aug. 3, 1895	Jan. 29, 1904	. .	. .
Horle, Charles	April 29, 1894	June 27, 1902	8.69	8.50
Horter, Robert Royal	Oct. 4, 1895	Jan. 29, 1904	. .	. .



## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Houck, Edgar Guy	May 29, 1893	Feb. 18, 1903	7.18	9.14
Howard, John	July 29, 1892	Sept. 24, 1901	6.60	9.70
Hudson, Raymond Fretz	March 6, 1893	June 27, 1902	6.71	8.16
Hufnagle, John Ralph	Dec. 28, 1893	Jan. 31, 1902	6.53	7.65
Hughes, John Harry	Sept. 23, 1894	Sept. 22, 1903	. .	. .
Hughes, Samuel Godfrey	Oct. 29, 1893	Jan. 30, 1903	9.14	8.96
Huhn, William	March 1, 1894	Sept. 23, 1902	6.92	7.82
<b>Irwin, William Duffield</b>	Oct. 8, 1893	Jan. 31, 1902	7.71	8.36
<b>Jacobs, Albert Raymond</b>	May 7, 1894	Sept. 22, 1903	. .	. .
Jacobs, Warren Trumbauer	Aug. 24, 1895	Jan. 29, 1904	. .	. .
Jaffe, Edward	Sept. 21, 1893	May 29, 1900	7.48	7.41
Jamison, William	March 16, 1895	Sept. 22, 1903	. .	. .
Jester, William Howard	June 28, 1893	Jan. 31, 1902	8.33	6.92
Johnson, Samuel Richard	Oct. 7, 1894	Jan. 30, 1903	7.17	8.80
Jolly, Francis Carl	March 15, 1894	Jan. 29, 1904	. .	. .
Jones, David Price	Jan. 23, 1894	Sept. 22, 1903	. .	. .
Jones, Ebenezer William	Feb. 24, 1894	June 27, 1902	8.86	8.41
Jones, William Henry	Sept. 15, 1895	Jan. 29, 1904	. .	. .
Judd, John Raymond	March 13, 1894	June 27, 1902	8.52	9.36
<b>Kartschefskey, Henry</b>	April 10, 1895	June 28, 1901	7.21	7.53
Keen, Rudolph Carl W.	March 23, 1894	June 27, 1902	6.01	7.75
Keener, Edwin Francis	May 15, 1894	Sept. 23, 1902	6.83	8.78
Kennedy, Patrick John	March 9, 1894	Sept. 22, 1903	. .	. .
Kensinger, Clarence H.	June 8, 1893	Jan. 30, 1903	7.32	9.45
Kerschner, Raymond Robert	April 18, 1895	Jan. 29, 1904	. .	. .
Kessler, Frank Ludwig	March 9, 1895	June 30, 1903	. .	. .
Kimes, Edgar Hermann	July 22, 1892	May 29, 1900	7.38	8.05
King, Francis	Aug. 29, 1891	Sept. 26, 1899	6.70	8.27
King, James	Oct. 16, 1894	Jan. 29, 1904	. .	. .
Kington, Albert Alexander	Dec. 24, 1893	Feb. 27, 1902	7.17	7.43
Kirby, Warren Edison	Sept. 6, 1894	Jan. 30, 1903	8.25	8.47
Klaus, Frederick	April 22, 1893	Jan. 31, 1902	8.37	6.49
Kleinert, Claude Otto	April 6, 1894	Jan. 30, 1903	6.23	7.01
Klingler, Edward Louis	Feb. 19, 1895	Sept. 22, 1903	. .	. .
Klotz, Elmer Lloyd	Sept. 23, 1894	Jan. 30, 1903	8.99	8.29
Klumpp, Herbert Chas. Geo.	May 7, 1895	Sept. 22, 1903	. .	. .
Klumpp, Joseph Adolph	June 2, 1894	Jan. 29, 1904	. .	. .
Knufmann, Herman Theo.	Dec. 13, 1894	Feb. 25, 1903	6.90	9.33
Kranich, John Martin Peter	Aug. 3, 1895	Jan. 29, 1904	. .	. .
Kuppinger, John George	May 26, 1897	June 30, 1903	. .	. .
<b>Laird, Harry Martin</b>	May 9, 1894	Sept. 23, 1902	8.04	8.83
Lamborn, Wm. Kennedy	March 14, 1895	June 30, 1903	. .	. .
Landenberger, John	Sept. 19, 1894	June 30, 1903	. .	. .
Langley, Howard Wesley	April 27, 1894	March 21, 1902	8.19	6.74
Lannen, Joseph Henry	July 19, 1893	June 30, 1903	. .	. .
Larson, John David	Nov. 29, 1894	Sept. 22, 1903	. .	. .
Larson, Paul Frank	Feb. 9, 1893	June 27, 1902	8.29	8.95
Latham, Sylvester Albert	Feb. 21, 1894	Sept. 23, 1902	8.93	7.89
Laubert, Harold Schlichter	Sept. 28, 1894	Jan. 30, 1903	7.66	8.47
Leayman, Glenroy	Sept. 6, 1894	Feb. 18, 1903	7.78	7.73
Leonard, Benj. Franklin	July 23, 1893	July 1, 1902	7.27	8.64
Leotto, Charles William	Aug. 9, 1894	June 30, 1903	. .	. .
Liggett, Harry Smedley	May 18, 1895	Jan. 29, 1904	. .	. .
Lightowler, Albert	May 2, 1893	Sept. 23, 1902	8.90	8.23

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Linforth, John	Sept. 30, 1894	Jan. 29, 1904	. .	. .
Longabaugh, Robert Sam'l	March 15, 1893	Feb. 27, 1903	4.59	5.79
Loper, Read Willard	July 18, 1894	Jan. 29, 1904	. .	. .
Loughran, James	Oct. 22, 1893	March 2, 1903	4.62	6.18
Ludwig, Charles A. Adolph	Nov. 25, 1892	Sept. 23, 1902	9.15	7.92
Lyman, Harry M. Taubel	Jan. 29, 1893	Feb. 7, 1902	6.22	7.71
Lyons, James Patrick	Dec. 30, 1892	Sept. 24, 1901	6.77	5.89
<b>McAfee, John Goodwin</b>	Jan. 25, 1894	June 27, 1902	8.00	9.18
McCloskey, Thomas F.	March 9, 1893	Sept. 23, 1902	9.17	8.98
McClung, T. G. Francis	March 4, 1893	Jan. 30, 1903	7.16	7.01
McClung, Walter John	April 1, 1895	Jan. 29, 1904	. .	. .
McConnell, Samuel F.	June 8, 1895	Jan. 29, 1904	. .	. .
McCoy, Donald	May 15, 1893	Sept. 25, 1900	6.82	5.41
McCullough, Robert A.	Nov. 16, 1893	Feb. 11, 1902	6.11	7.44
McGill, Raymond White	April 10, 1894	June 27, 1902	7.32	9.10
McGinnis, Charles Z. W.	July 13, 1894	Jan. 30, 1903	7.67	9.84
McGowan, Francis	March 9, 1895	June 30, 1903	. .	. .
McKerrocher, Daniel	Oct. 15, 1893	June 30, 1903	. .	. .
McMurray, Ellwood R.	Nov. 30, 1892	June 27, 1902	8.15	9.10
McQuiston, Clarence Meech	April 4, 1895	Sept. 22, 1903	. .	. .
Macauley, Joseph Matthew	March 13, 1894	Sept. 23, 1902	7.78	7.84
MacDonald, Henry	May 8, 1892	May 29, 1900	7.36	8.38
Manbeck, Jesse Byron H.	April 22, 1894	June 30, 1903	. .	. .
Manion, John Martin	April 2, 1895	Sept. 22, 1903	. .	. .
Manion, Joseph	Dec. 17, 1891	May 29, 1900	5.58	9.33
Manton, Frank Lorman	Sept. 16, 1892	Jan. 31, 1901	7.53	9.47
Manton, Howard Wood	April 20, 1895	Sept. 22, 1903	. .	. .
Mars, William	March 23, 1895	June 30, 1903	. .	. .
Marshall, John Wesley	March 15, 1895	June 30, 1903	. .	. .
Matlack, John Dowlin	Oct. 29, 1891	Dec. 29, 1899	5.34	9.36
Matthews, Bayard Hazel	Jan. 30, 1895	June 30, 1903	. .	. .
Matthews, Guy Toot	Feb. 20, 1895	June 30, 1903	. .	. .
Matthias, Charles Henry	Jan. 28, 1895	Sept. 22, 1903	. .	. .
Maussnest, Harry Adolph	April 22, 1894	June 27, 1902	8.75	7.69
May, Potter Oliver	July 29, 1894	Jan. 29, 1904	. .	. .
May, William Henry	July 24, 1895	Jan. 29, 1904	. .	. .
Meagher, Franklin Francis	March 28, 1895	June 30, 1903	. .	. .
Meighan, Edward	July 26, 1893	Jan. 31, 1902	7.65	6.02
Melberger, Charles Henry	Jan. 15, 1895	Jan. 29, 1904	. .	. .
Melloy, Hazzard	Oct. 13, 1894	Jan. 30, 1903	7.72	8.63
Menges, Joseph	Aug. 18, 1893	June 27, 1902	7.36	8.13
Mentzer, Walter	March 31, 1893	Jan. 30, 1903	5.75	8.40
Meredith, James Morrison	May 19, 1892	Jan. 31, 1902	7.00	9.52
Merrill, James Packer	March 1, 1892	Feb. 13, 1902	6.43	9.06
Meyer, Gottlob Loose	March 26, 1892	Sept. 28, 1901	7.68	9.17
Michener, Aubrey Westlake	Aug. 1, 1894	Jan. 29, 1904	. .	. .
Miley, Clarence Kram	Oct. 30, 1892	Jan. 31, 1901	7.93	8.01
Miller, John Charles	April 25, 1893	June 28, 1901	6.29	4.68
Miller, Raymond Rollin	March 15, 1895	June 30, 1903	. .	. .
Miller, William Holt	Oct. 17, 1894	Feb. 25, 1903	7.07	9.84
Miller, William Spotts	Sept. 10, 1895	Jan. 29, 1904	. .	. .
Milliken, Chas. Ambrose T.	Sept. 27, 1893	Jan. 31, 1902	6.90	6.37
Missimer, Hertel	May 20, 1894	June 27, 1902	7.38	9.52
Mohn, Robert Eugene	Jan. 22, 1894	Jan. 30, 1903	7.03	8.27

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Mohr, Charles Reynolds	Aug. 7, 1894	Jan. 30, 1903	7.97	9.59
Molina, Henry William	Oct. 20, 1894	June 30, 1903	. .	. .
Montgomery, Wm. Conrad	Aug. 29, 1893	Jan. 31, 1902	6.87	7.58
Moore, Preston Minarda	Aug. 26, 1894	Jan. 30, 1903	6.95	7.72
Morgan, Byron Edward	Sept. 10, 1894	Jan. 30, 1903	7.21	6.93
Morningstar, Wm. Franklin	June 13, 1895	Sept. 22, 1903	. .	. .
Morris, Charles Albert	April 18, 1891	Dec. 29, 1899	7.39	8.97
Morris, Paul	Feb. 25, 1897	June 30, 1903	. .	. .
Morris, William Otto	Oct. 26, 1893	Jan. 31, 1902	7.09	8.27
Morrissey, Thomas	Dec. 13, 1893	June 27, 1902	5.66	6.14
Mowery, Clarence Stephen	July 5, 1895	Jan. 29, 1904	. .	. .
Moyér, Robert Pattison	Aug. 10, 1893	Sept. 24, 1901	6.99	8.87
Murphy, Hugh	Sept. 26, 1894	Jan. 29, 1904	. .	. .
<b>Neeson, William Geo.</b>	Feb. 2, 1894	Sept. 23, 1902	8.26	7.48
Nelson, George William	June 30, 1895	July 10, 1901	7.53	8.55
Newcomb, Horace Triandrie	Sept. 26, 1892	June 28, 1901	7.52	8.32
Norris, Walter Carl	June 17, 1892	Jan. 31, 1901	6.35	3.82
Nortine, Herbert Christian	March 21, 1894	June 30, 1903	. .	. .
Norton, George Francis	June 28, 1895	Sept. 22, 1903	. .	. .
Nuttall, Thomas Herman	Oct. 22, 1892	Jan. 31, 1902	7.83	8.75
<b>Oldroyd, Harry T.</b>	Oct. 19, 1895	Jan. 29, 1904	. .	. .
Oler, Frederick	Dec. 23, 1893	Sept. 23, 1902	8.31	8.12
Oler, William	Oct. 5, 1891	June 28, 1901	7.59	9.01
Osborne, Raymond	Dec. 31, 1894	June 30, 1903	. .	. .
Outen, Harry Walter	May 20, 1892	May 29, 1900	7.27	7.04
Overdorf, George William	May 26, 1891	Sept. 26, 1899	6.29	9.52
<b>Palmer, George A.</b>	Feb. 13, 1895	June 28, 1901	8.36	8.37
Patterson, John Alexander	April 23, 1895	Jan. 29, 1904	. .	. .
Patton, James Brainerd	July 6, 1895	Sept. 22, 1903	. .	. .
Patton, John Q. Adams	July 22, 1894	Jan. 30, 1903	8.11	8.89
Peattie, Joseph Raymond	March 13, 1895	Sept. 22, 1903	. .	. .
Peck, Ellwood Mirkle	Nov. 27, 1892	Sept. 24, 1901	5.94	8.36
Pfander, Christian Emery	Nov. 24, 1894	Jan. 30, 1903	8.32	8.99
Pfander, Ellwood Grover	Nov. 24, 1894	Jan. 30, 1903	8.31	9.23
Pfander, Herbert Edward	Nov. 24, 1894	Jan. 30, 1903	8.15	9.27
Phillips, Hartwell	Sept. 10, 1894	June 30, 1903	. .	. .
Phillips, Samuel John	Jan. 2, 1895	June 30, 1903	. .	. .
Picton, Thomas Herbert	Jan. 30, 1894	June 27, 1902	7.73	7.06
Pilgret, Albert Alvin	May 17, 1894	Jan. 29, 1904	. .	. .
Poole, Charles F. Esher	Aug. 2, 1894	Jan. 30, 1903	6.47	7.64
Porter, Morton Jackson	Aug. 22, 1895	Jan. 29, 1904	. .	. .
Price, Ernest	Nov. 3, 1894	June 30, 1903	. .	. .
<b>Quay, Everett Stanley</b>	April 29, 1895	Sept. 22, 1903	. .	. .
<b>Rantz, Horace Clyde</b>	Sept. 29, 1895	Jan. 29, 1904	. .	. .
Rapelyea, George	April 26, 1894	Jan. 30, 1903	8.31	8.49
Rawnsley, Joseph	Oct. 31, 1893	Jan. 31, 1902	7.89	6.70
Raynor, Thomas Henry	July 3, 1895	Jan. 29, 1904	. .	. .
Reed, James Carlton	Feb. 20, 1894	June 30, 1903	. .	. .
Reese, Henry Morgan	Oct. 18, 1893	Jan. 31, 1902	7.61	9.05
Reitze, Charles Archibald	Nov. 6, 1893	Jan. 31, 1902	8.28	8.42
Reitzel, Boyd Herbert	June 1, 1894	Jan. 30, 1903	8.35	8.96
Rementer, Franklin Pierce	Jan. 13, 1893	June 27, 1902	6.90	8.69
Rhoads, Arthur	April 21, 1894	July 11, 1902	7.20	8.83
Richards, David Isaac	June 15, 1893	Sept. 24, 1901	7.23	8.65
Richards, Mark Allan	June 10, 1893	June 27, 1902	7.40	8.66
Richards, Nathan	June 19, 1895	Sept. 22, 1903	. .	. .

## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Richards, Robert Reeves	Nov. 17, 1893	June 27, 1902	7.04	7.79
Rickert, Carroll Anthony	Jan. 22, 1894	Sept. 23, 1902	6.67	9.49
Ringler, Harry	March 30, 1893	June 27, 1902	6.83	8.72
Risley, Charles Ananias	July 29, 1893	Jan. 31, 1902	8.35	6.55
Ristine, Charles Walton	April 5, 1894	June 27, 1902	8.68	8.62
Rittenhouse, Alfred Lloyd	May 16, 1893	June 27, 1902	6.77	9.41
Robertson, William Berry	Feb. 1, 1895	June 30, 1903	. .	. .
Robinson, Henry Fisher	June 26, 1895	Jan. 29, 1904	. .	. .
Rodgers, Alexander S.	Sept. 12, 1894	Sept. 22, 1903	. .	. .
Roegner, Geo. Washington	May 27, 1892	Sept. 26, 1899	6.12	5.46
Rogers, Roscoe Hastings	Nov. 16, 1894	June 30, 1903	. .	. .
Rudolph, James Gustav	Feb. 24, 1894	June 27, 1902	6.39	8.45
Rumer, John Francis	Aug. 1, 1894	Jan. 29, 1904	. .	. .
Russell, Allen	June 3, 1894	Sept. 26, 1902	7.00	7.53
<b>Sauter, Charles</b>	Aug. 27, 1893	Sept. 24, 1901	. .	. .
Schaal, William Charles	Jan. 17, 1895	June 30, 1903	. .	. .
Schlecht, George Henry	June 7, 1893	June 28, 1901	6.42	7.31
Schmidt, Ernest Daniel	Feb. 26, 1894	June 27, 1902	7.51	9.70
Schnauffer, Robert Edward	Nov. 29, 1895	Jan. 30, 1903	7.16	7.36
Schoenberg, Harry Albert	Feb. 15, 1894	June 27, 1902	6.92	7.70
Schoepp, John Carl Gottlob	Aug. 20, 1895	Jan. 29, 1904	. .	. .
Seesholtz, Robert Lincoln	April 21, 1893	July 11, 1902	7.61	9.01
Seidt, Charles	July 3, 1893	Sept. 24, 1901	8.03	8.76
Shaner, Orvil William	July 24, 1895	Jan. 29, 1904	. .	. .
Sherwin, Joseph Rees	Dec. 26, 1894	June 30, 1903	. .	. .
Shields, James Wyatt	June 21, 1892	Sept. 25, 1900	7.80	8.54
Showers, Aaron Lybrian	Dec. 20, 1892	Jan. 31, 1901	5.90	7.93
Simpson, Thomas Leo	March 11, 1894	Jan. 29, 1904	. .	. .
Skelton, Alva Meredith	April 6, 1893	June 28, 1901	6.90	8.94
Smith, Frank Taylor	March 20, 1893	June 28, 1901	7.04	6.75
Smith, John Hoffman	May 13, 1894	June 27, 1902	8.48	7.92
Smith, Theo Wilson	Sept. 25, 1893	Sept. 23, 1902	8.09	8.64
Smith, Vincent Bruce	May 18, 1894	June 27, 1902	5.59	7.67
Snyder, Lewis Wesley	Jan. 25, 1893	June 28, 1901	6.19	8.60
Sorenson, Walter	March 3, 1894	Jan. 30, 1903	8.04	9.20
Spahr, Harry Elmer	July 24, 1893	Jan. 30, 1903	7.12	7.48
Sparver, Charles Edward	Dec. 28, 1894	June 30, 1903	. .	. .
Spotts, George Raymond	Jan. 24, 1893	June 28, 1901	7.05	6.89
Springfield, Clarence	Oct. 6, 1893	June 27, 1902	6.14	9.06
Starosta, Frederick	Aug. 7, 1894	Jan. 29, 1904	. .	. .
Starr, Walter Thomas	Sept. 2, 1893	Sept. 23, 1902	7.42	9.50
Steel, Frank Tatem	Sept. 26, 1894	June 30, 1903	. .	. .
Steel, Henry Richard	Nov. 7, 1897	Jan. 29, 1904	. .	. .
Steel, Thomas Robert	Feb. 14, 1896	June 30, 1903	. .	. .
Steele, Robert Jay	April 8, 1892	Jan. 31, 1901	7.38	8.07
Steinmetz, Elmer Herr	Nov. 25, 1888	Jan. 28, 1897	6.16	6.77
Stewart, Charles Andrew	July 17, 1894	Jan. 30, 1903	7.62	8.55
Stolte, George William	May 30, 1895	Sept. 22, 1903	. .	. .
Stubbins, Karl Stanhope	Nov. 25, 1892	Feb. 4, 1901	7.57	7.78
Suiter, Robert William	Oct. 21, 1893	June 30, 1903	. .	. .
Sutherland, Wm. Sassaman	Sept. 1, 1896	June 30, 1903	. .	. .
Swain, Henry Hollahan	Aug. 2, 1893	Jan. 31, 1902	7.74	8.04
Swanson, James Garfield	Sept. 15, 1893	Jan. 30, 1903	7.21	8.08
<b>Taylor, Clinton Fred.</b>	Feb. 3, 1893	June 28, 1901	7.32	9.02
Terry, Frank Harrison	Aug. 17, 1893	June 27, 1902	7.96	7.98
Thomas, James Henry	Jan. 14, 1894	Jan. 30, 1903	6.15	8.24



## FIRST FORM.

<i>Name.</i>	<i>Date of Birth.</i>	<i>Date of Admission.</i>	<i>Scholarship.</i>	<i>Conduct.</i>
Thompson, Robert Brown	Aug. 14, 1894	June 30, 1903	. .	. .
Tinna, Walter Fausey	Aug. 11, 1892	Jan. 31, 1902	6.66	8.70
Todd, Adam John Dundore	July 21, 1893	Jan. 30, 1903	8.67	8.60
Torpey, John Joseph	Feb. 16, 1894	Feb. 13, 1903	9.47	8.27
Townsend, Eugene Paul	April 23, 1895	June 30, 1903	. .	. .
Treaster, Charles Thomas	March 5, 1895	June 30, 1903	. .	. .
Turnbaugh, Robert Duane	Feb. 6, 1894	June 30, 1903	. .	. .
Turner, Robert Mitchell	March 4, 1894	June 27, 1902	8.09	8.52
<b>Vaughn, Alex. Claude</b>	July 30, 1894	Oct. 23, 1902	8.29	8.49
Verner, William	March 25, 1895	Sept. 22, 1903	. .	. .
<b>Wakeman, Clifford L.</b>	July 4, 1893	June 27, 1902	8.26	8.00
Walker, William	April 8, 1894	Jan. 29, 1904	. .	. .
Walter, William Charles	Aug. 13, 1897	Sept. 24, 1903	. .	. .
Webb, Raymond Ray	Oct. 22, 1894	June 30, 1903	. .	. .
Weber, Henry Raymond	Sept. 13, 1894	June 30, 1903	. .	. .
Weible, John Jacob	Nov. 15, 1895	Jan. 29, 1904	. .	. .
Weidauer, Walter Harry	Nov. 12, 1893	Jan. 31, 1902	7.65	8.65
Weiler, William Chester	Nov. 8, 1893	Jan. 30, 1903	6.23	8.00
Weinert, Arthur Oscar	Aug. 10, 1895	Jan. 29, 1904	. .	. .
Weinert, Charles Walter	March 18, 1894	Jan. 29, 1904	. .	. .
Wells, George	Jan. 10, 1894	Jan. 30, 1903	6.70	8.71
Welton, Charles Vernon	March 14, 1894	Jan. 30, 1903	8.44	8.91
West, Charles James	July 19, 1894	Jan. 29, 1904	. .	. .
Weyman, Arthur Morgan	Feb. 5, 1894	Sept. 22, 1903	. .	. .
White, William Thomas	July 8, 1893	June 27, 1902	7.70	9.22
Whitman, Houk L. F.	April 25, 1894	Feb. 13, 1903	7.10	9.04
Wilbur, Wm. Jacob Conrad	Aug. 1, 1892	June 28, 1901	7.56	8.96
Williams, David Roland	March 22, 1894	June 30, 1903	. .	. .
Williams, Harry Christmas	April 21, 1892	May 29, 1900	7.57	7.47
Wilson, Elmer	July 11, 1893	Jan. 31, 1902	5.94	7.93
Wilson, John James	May 5, 1894	Jan. 29, 1904	. .	. .
Winter, William Gustave	June 5, 1895	Sept. 22, 1903	. .	. .
Winther, Charles Richard	Aug. 20, 1895	Jan. 29, 1904	. .	. .
Wise, Peter	Jan. 19, 1895	Jan. 29, 1904	. .	. .
Wisham, Harris	April 16, 1894	June 30, 1903	. .	. .
Wismer, Frank Earl	Aug. 17, 1894	Sept. 22, 1903	. .	. .
Witte, Berthold	Oct. 30, 1893	Jan. 31, 1902	7.40	8.62
Wren, Ira Albert	Nov. 23, 1891	Jan. 31, 1901	6.15	6.78
Wright, Harold Gilbert	March 5, 1895	June 30, 1903	. .	. .
<b>Yost, Truman Geisinger</b>	Jan. 22, 1894	Jan. 30, 1903	7.82	8.47
Young, Joseph Proctor	Jan. 24, 1895	Dec. 11, 1903	. .	. .
Young, Robert Hamilton	June 19, 1897	Dec. 11, 1903	. .	. .
Yuenger, John	May 18, 1894	Sept. 22, 1903	. .	. .
Yuenger, William Aloys	Nov. 15, 1892	Sept. 24, 1901	6.95	8.34
<b>Ziegler, Emil Charles</b>	Jan. 14, 1894	Oct. 2, 1902	7.60	6.67
Zimmer, William Casner	June 9, 1893	June 27, 1902	7.75	7.64

## SUMMARY.

Fourth Form . . . . .	230
Third Form . . . . .	379
Second Form . . . . .	461
First Form . . . . .	478
Total . . . . .	1548



## APPENDIX E.

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### REPORT OF THE SUPERINTENDENT OF ADMISSION AND INDENTURES,

### GIRARD COLLEGE.

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PHILADELPHIA, December 31st, 1903.

*To the Committee on Admission, Discipline, and Discharge :*

GENTLEMEN :—I herewith submit a summary of my journal during the year 1903 :—

Pupils admitted . . . . .	209
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Pupils dismissed :

College indentures canceled—

To accept positions . . . . .	178
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For physical infirmity . . . . .	3
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On mother's plea of ability to support . . . . .	3
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Returned to friends . . . . .	2
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186

Eighteen years of age . . . . .	14
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Dismissed :—

For malconduct . . . . .	10
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10

Died . . . . .	6
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Total . . . . .	216
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A report of all pupils who were honorably discharged from the College during the years—

1897 . . . . .	169
1898 . . . . .	236
1899 . . . . .	189
1900 . . . . .	192
1901 . . . . .	175
1902 . . . . .	185
	<u>1,146</u>

in number, is as follows :—

Employed, report favorable . . . . .	992
“ “ fair . . . . .	7
“ “ unfavorable . . . . .	7
	<u>1,006</u>
Unemployed, report favorable . . . . .	52
“ “ fair . . . . .	8
“ “ unfavorable . . . . .	13
	<u>73</u>
In other institutions . . . . .	15
Died . . . . .	19
Not heard from by friends within the year . . . . .	7
No report . . . . .	26
	<u>1,146</u>

When a young person is leaving the school room and is ready to enter upon the active or practical affairs of life, the universal desire is to obtain employment where there is “promise of advancement.” Unfortunately, the more desirable situations are not always obtainable just at the moment they are expected or hoped for, and the next best thing for such person to do, therefore, is to accept the first opportunity for honest endeavor that may present itself, with the resolve to do his best therein, trusting that experience and his increasing usefulness may enable him to realize his ambitions, resolves and hopes, in some more attractive and lucrative vocation in the future. This, I am happy to report, is the spirit which animates the large majority of Girard

College pupils, as they go out into the world, for I rarely fail to obtain a report of satisfactory service or of, at least, an endeavor to afford it, from employers engaged in an almost infinite variety of pursuits, professional, monetary, mercantile, or mechanical.

At first sight it might appear that, as the young people admitted to the College are all "poor, white, male orphans," and that prior to admission, their opportunities for education have probably been almost identical, they would, therefore, start in their new home on an equal footing and advance in a corresponding ratio, from class to class, until they had been graduated. But when we consider that one may have a mother who, although without money or property, has by reason of a superior education, been earning her living as a school teacher, &c., while the mother of the next lad on the roll may be a toiler in the laundry or the mill, not able to so much as write her own name, we cannot reasonably expect a uniform improvement, on educational lines, in the children of parents with such a disparity in intellectual history or attainments.

A former member of the Board of Directors of City Trusts, now deceased, in a list of "Hints to those who would be successful," remarked, "If you are a clerk, learn shorthand writing, if you can." Stenography continues to be the most available qualification for immediate success and subsequent preferment that the graduates of the College can possess, but the stenographic ear and the persevering will are, unfortunately, not always to be found in the same individual.

Occasionally, former pupils, when they realize its importance, take up the study, at their own expense and to their ultimate advantage.

Of the twenty-six members of the class just leaving the College, twelve had chosen the mechanical instead of the regular literary course; and although it is too soon to report definitely as to results, the record already from several of them, as furnished by the Superintendent of one of the largest manufacturing establishments in the city, is particularly satisfactory.

Since the last report five deaths have occurred, viz: three from consumption of the lungs, one from a boiler (locomotive) explosion and one from obstruction of the œsophagus.

The various occupations of those reported to be employed are as follows :

Agent (baggage) . . . .	3	<i>Brought forward</i> . .	320
“ (insurance) . . . .	2	Comb factory . . . . .	1
Air brake works . . . .	1	Conductor . . . . .	4
Automobile manufacturer	1	Confectioner . . . . .	4
Bakery . . . . .	7	Cooper . . . . .	1
Barber . . . . .	3	Crane runner . . . . .	3
Base ball maker . . . .	1	Cutter (clothing) . . . .	1
Belt maker . . . . .	1	“ (glass) . . . . .	3
Bicycle repairer . . . .	1	“ (meat) . . . . .	1
Blacksmith . . . . .	2	“ (paper) . . . . .	1
Boilermaker . . . . .	1	Dental supplies factory .	1
Bolt works . . . . .	1	Dispatcher . . . . .	1
Box factory . . . . .	9	Draughtsman . . . . .	23
Brakeman . . . . .	15	Driver . . . . .	26
Brewery . . . . .	1	Druggist . . . . .	4
Bricklayer . . . . .	1	Dyer . . . . .	2
Brick works . . . . .	3	Electrician . . . . .	19
Bridge works . . . . .	1	Electrotypist . . . . .	1
Cabinet maker . . . . .	1	Elevator boy . . . . .	5
Car cleaner . . . . .	2	Elevator builder . . . .	1
Cardboard factory . . .	4	Engineer (civil) . . . .	6
Carpenter (house) . . .	7	“ (locomotive) . . . .	1
“ (ship) . . . . .	1	“ (mechanical) . . . .	1
Carriage works . . . . .	2	“ (stationary) . . . .	5
Car shops . . . . .	6	Engraver . . . . .	2
Cashier . . . . .	1	Errand or store boy . .	25
Chauffeur . . . . .	1	Farmer . . . . .	34
Chemical works . . . .	1	Fertilizer works. . . . .	1
Chemist . . . . .	4	File works . . . . .	2
Clerk or bookkeeper . .	204	Finisher (brass) . . . .	2
Clothing factory . . . .	1	“ (cloth) . . . . .	1
Cocoa manufactory . . .	1	Fireman (locomotive) . .	6
Collector . . . . .	3	“ (stationary) . . . .	2
Colliery . . . . .	27	Florist . . . . .	1
<i>Carried forward</i> . .	320	<i>Carried forward</i> . .	511

<i>Brought forward</i>	511	<i>Brought forward</i>	711
Foreman . . . . .	2	Paint factory. . . . .	2
Furniture factory . . . .	7	Paper hanger . . . . .	2
Gardener . . . . .	1	Paper mill . . . . .	1
Grocer . . . . .	1	Patternmaker . . . . .	4
Hatter . . . . .	10	Piano factory . . . . .	1
Ice cream maker . . . . .	4	Picture frame factory . .	1
Iceman . . . . .	3	Planing mill . . . . .	3
Inspector . . . . .	1	Plasterer . . . . .	3
“ (sanitary) . . . . .	1	Plumber . . . . .	21
Iron works . . . . .	6	Pneumatic operator . . .	1
Janitor . . . . .	1	Polisher . . . . .	1
Laborer . . . . .	4	Printer . . . . .	14
Lamp trimmer . . . . .	1	Ranchman . . . . .	1
Leather factory . . . . .	7	Reporter . . . . .	1
Lithographer . . . . .	2	Restaurant . . . . .	3
Lock works . . . . .	2	Rivet heater . . . . .	1
Machinist . . . . .	74	Rolling mill . . . . .	3
Manager . . . . .	5	Rope works . . . . .	1
Manufacturer, retorts, &c	1	Round house . . . . .	3
Messenger . . . . .	5	Salesman . . . . .	40
Metal spinner . . . . .	1	Saw works . . . . .	4
Meter factory . . . . .	1	Sawyer . . . . .	2
Milkman . . . . .	7	Scales factory . . . . .	1
Miller . . . . .	2	Seaman . . . . .	2
Mill work . . . . .	15	Secretary . . . . .	1
Monitor . . . . .	1	Segar maker . . . . .	4
Motorman . . . . .	1	Ship (fitter up) . . . .	1
Moulder . . . . .	13	Shipper . . . . .	6
Notary Public . . . . .	1	Shirt factory . . . . .	3
Nurse . . . . .	1	Shoe factory . . . . .	5
Office boy . . . . .	1	Soap works . . . . .	2
Oilcloth factory . . . . .	1	Soda fountain factory . .	1
Oiler . . . . .	1	Spar maker . . . . .	1
Oil works . . . . .	1	Spring fitter . . . . .	1
Packer . . . . .	5	Steel tester . . . . .	2
Painter . . . . .	10	Stenographer . . . . .	47
<i>Carried forward</i> . . .	711	<i>Carried forward</i> . . .	901



<i>Brought forward</i> . .	901	<i>Brought forward</i> . .	945
Stockkeeper . . . . .	10	Tile setter . . . . .	1
Student (business college)	2	Tin and sheet iron worker	4
“ (civil engineer) . .	1	Track hand . . . . .	1
“ (college) . . . . .	4	Umbrella factory . . . . .	1
“ (dentistry) . . . . .	2	Undertaker . . . . .	1
“ (divinity) . . . . .	2	U. S. Army . . . . .	15
“ (electrical engin’r)	1	U. S. Navy . . . . .	14
“ (medicine) . . . . .	3	Upholsterer . . . . .	1
“ (school) . . . . .	5	Upholstery manufactory .	1
Superintendent . . . . .	2	Wagon boy . . . . .	3
Surgical instrum’t maker .	1	Watch case factory . . .	1
Surveyor . . . . .	2	Weaver . . . . .	9
Suspender factory . . . .	1	Williamson School . . . .	1
Switch works . . . . .	1	Wire worker . . . . .	4
Tannery . . . . .	1	Wood worker . . . . .	1
Teacher . . . . .	2	Wrapper . . . . .	2
Telegraphy . . . . .	3	Yardmaster . . . . .	1
Terra-cotta works . . . .	1		
<i>Carried forward</i> . .	945		<u>1,006</u>

Very respectfully yours,

JOHN S. BOYD,  
*Superintendent of Admission and Indentures.*

## APPENDIX F.

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# WILLS HOSPITAL AND MINOR TRUSTS.

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SUPERINTENDENT,

GEORGE E. KIRKPATRICK,  
Stephen Girard Building, Philadelphia.

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WILLS HOSPITAL.

(For list of officers of the Wills Hospital, see Appendix G.)

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MARY SHIELDS ALMSHOUSE FUND.

WILLIAM H. WALLACE, M. D., *Visiting Physician*,  
103 North Thirty-fifth Street, Philadelphia.

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BOUDINOT ESTATE, CENTRE COUNTY.

GEORGE R. BOAK, *Agent*,  
Pine Glen, Centre Co., Pa.

# WILLS HOSPITAL AND MINOR TRUSTS.

## SUPERINTENDENT'S REPORT FOR 1903.

*To the Board of Directors of City Trusts.*

GENTLEMEN:—At this date the number of separate funds under the care of your Committee on Wills Hospital and Minor Trusts, remains as reported one year ago—thirty-five. Their aggregate capital is now \$1,328,377.21, of which all except \$14,088.21 is invested in real estate, stocks, and bonds.

The total income collected during the year was .	\$47,714	80
Premium on bonds sold . . . . .	2,815	03
Receipts from legacies, donations, &c. . . . .	7,545	20
Appropriation by the State for maintenance of the		
Wills Hospital on account . . . . .	1,470	31
Advance to Superintendent of Wills Hospital re-		
turned . . . . .	597	50
Principal of investments collected . . . . .	64,400	00
Cash balance, January 1st, 1903, . . . . .	17,090	52
		<hr/> \$141,633 36

This has been expended as follows:—

Maintenance of Wills Hospital . . . . .	\$22,166	30
Advance to Superintendent of Wills Hospital . .	600	00
Relief of the sick and insane poor at the Alms-		
house . . . . .	5,793	98
Fuel distributed to the poor . . . . .	9,392	48
Food distributed to the poor . . . . .	867	00
Books for public schools and annuity to South-		
wark Library Company . . . . .	648	98
Medals and premiums awarded to inventors and		
to graduates of the public schools . . . . .	1,095	83
Simon Muhr scholarships . . . . .	2,341	90
Taxes, repairs, and other expenses of real estate,	1,358	68
Miscellaneous expenses . . . . .	2,008	04
Premiums and expenses of investment . . . . .	1,077	15
Investments and reinvestments . . . . .	58,355	00
		<hr/> 105,705 34
Cash balance, December 31st, 1903 . . . . .	\$35,928	02

At the WILLS HOSPITAL 14,853 patients were registered during the year. Of these 604 were admitted to the wards, the remaining 14,249 being treated as out-patients. The average number of patients supported in the wards was 30.

On April 2d, 1903, the seventy-first anniversary of the founding of the Wills Hospital was commemorated as Donation Day, when the buildings and wards were visited by a gratifying number of those interested in the Institution. The cash donations received on or through this occasion amounted to \$1,052, and in addition to these, a considerable quantity of supplies was donated. The receipt of this sum of money enabled the wards of the Hospital to be reopened for the admission of a limited number of patients—they having been closed to all but the most urgent accident cases since July, 1902, owing to the lack of funds.

The legacy of \$5,000 provided in the will of Mr. George W. Farr, Jr., has been received from the Executors and added to the Capital Fund of the Hospital, as has also a dividend of \$550 from the residuary estate of George S. Pepper, deceased. Including this, the seventh dividend of the residuum, the Hospital has received from this estate \$6,050 in addition to the specific bequest of \$10,000.

In addition to those noted above, the Hospital has received during the year cash donations from

The Midvale Steel Company.....	\$250 00
The Philadelphia Rapid Transit Company,	200 00
Sundry donors.....	433 20
	<u>\$883 20</u>

At its session of 1902-1903, the Legislature of the State of Pennsylvania appropriated the sum of \$20,000 toward the maintenance of the Wills Hospital, and \$10,000 toward the completion of the contagious ward. This assistance was most opportune and enabled the wards to be opened to their full capacity. Plans looking to the most advantageous expenditure of the \$10,000 devoted toward the completion of the

contagious ward, are now in course of preparation, and it is hoped that this work can be begun early in the Spring. The sum thus available will not complete this ward—about \$20,000 being necessary for that purpose; but it is hoped that with it a considerable portion of the building can be finished so as to be immediately useful.

The work of renovating the buildings and equipment of the Wills Hospital, begun in 1902, has been continued in 1903, the special matters receiving attention in this year being the equipment of the wards—new beds, ward tables, mattresses, and other bedding having been purchased to take the place of the old furniture, which was obsolete and worn beyond economical repair. The cases of surgical instruments have also been carefully gone over and a portion of the instruments necessary to bring them to their full efficiency has been purchased. Arrangements are now being made to procure the remainder of the instruments necessary to fully equip these cases.

On February 11th, 1903, Mr. Walter D. Griscom and his wife, Mrs. Mary M. Griscom, who had been most satisfactorily filling these positions on trial during the previous three months, were appointed respectively Superintendent and Matron of the Wills Hospital.

The changes in the Surgical Staff have been as follows:

*Died:* Dr. Thomas G. Morton, Consulting Surgeon.

*Resigned:* Dr. W. L. Zuill, Assistant Surgeon.

*Retired at expiration of term:* Dr. Homer J. Rhode, Resident Surgeon; Dr. Arthur J. Bedell, Resident Surgeon.

*Appointments:* Dr. George Robinson, Jr., Assistant Surgeon; Dr. John R. Taylor, Resident Surgeon; Dr. Robert I. Bullard, Resident Surgeon.

Details of the work at the Wills Hospital will be found in Appendix G.

From the income of the MARY SHIELDS ALMSHOUSE FUND \$5,793.98 has been expended in the effort to "make more



comfortable the sick and insane poor at the Almshouse." A large portion of this expenditure (\$2,238.17) was for the purchase of materials to be used in the manufacture of mattresses by patients in the department for the insane; the principal object of this outlay being to furnish useful employment to these afflicted people; the mattresses themselves, though affording great comfort throughout the institution, where they have been replacing straw beds of questionable comfort and sanitary efficiency, being a secondary consideration.

Temporarily, this expenditure for mattress-making supplies has stopped, in order to permit the accumulation of funds wherewith to extend the elevator in the General Hospital to the roof of the building, which is to be equipped as a roof garden.

The sum of \$348.98 has been expended from the income of the STEPHEN GIRARD SCHOOL FUND in the purchase of 420 volumes for the libraries of the public schools, within the district prescribed by Mr. Girard. The books were distributed as follows:

Northeast Grammar School.....	78 volumes,	\$58 34
Locust Street Grammar School....	81 "	58 33
Northwest Grammar School.....	51 "	57 33
Horace Binney Grammar School..	62 "	58 34
Keystone Grammar School.....	71 "	58 33
U. S. Grant Grammar School.....	77 "	58 31
		<hr/>
	420 "	\$348 98
		<hr/>

There were no changes in the scholarships maintained from the income of the fund provided under the will of SIMON MUHR, deceased, these now being held by

Jerome J. Rothschild, College Department, University of Pennsylvania. Term expires September 15th, 1904.

Eleanor I. Burns, Sage College, Cornell University. Term expires September 15th, 1904.

Harry M. Gosch, Law Department, University of Pennsylvania. Term expires September 15th, 1905.

Esther E. Lape, Wellesley College. Term expires September 15th, 1905.

Charles W. Meadowcroft, Jr., College Department, University of Pennsylvania. Term expires September 15th, 1906.

Alice E. McQueen, Wellesley College. Term expires September 15th, 1906.

It is particularly gratifying to be able to state that the progress made by these young men and women, as shown by the reports received from the several colleges, is most satisfactory, and not only indicates a proper appreciation of the beneficence of Mr. Muhr, but amply justifies the nominations made by the Committee charged with the selection of those to whom the scholarships are awarded.

The JOHN SCOTT MEDALS AND PREMIUMS have been awarded upon the recommendation of the Franklin Institute, to Charles E. Wirt, of Philadelphia, for his "Electric Rheostat."

H. Ward Leonard, of Bronxville, N. Y., for his "System of Electric Motor Control."

James Reagan, of Philadelphia, for his "Improved Grate Bar."

Benjamin Talbot, of Pencoyd, Pa., for his "Method of Manufacturing Open-Hearth Steel."

Norton P. Otis, Rudolph C. Smith, John D. Ihlder and August Sundt, of New York, for their "Electric Elevator for Private Residences."

Luther Stieringer, of New York, for his "Improvement in the Art of Electric Illumination."

William L. Schellenbach, of Cincinnati, Ohio, for his "System of Gearing."

Henri Burger, of Zurich, Switzerland, for his "Polychrome Printing Press."

L. Bancroft Mellor, of Philadelphia, for his "Device for Measuring and Recording the Diameter of Tubes."

- William A. Cross, of Chicago, Ill., for his "Horizontal Folding Doors."
- Arthur W. McCurdy, of Washington, D. C., for his "Kodak Developing Machine."
- Georges M. A. Claude, of St. Mandé, and Georges Albert Hess, and Edmond Fouché, of Paris, France, for their "System of Storing and Transporting Acetylene."
- Charles M. Taylor, Jr., of Philadelphia, for his "Butter Making Process."
- J. S. Duncan, of Chicago, Ill., for his "Invention of the Addressograph."
- Joseph Sachs, of Hartford, Conn., for his "Enclosed Fuse Protection."
- Everett F. Morse, of Trumansburg, N. Y., for his "Heat Gage."

At the suggestion of the Franklin Institute, each of the medals awarded from this Fund is now accompanied by one or more certificates stating the award of the medal. The purpose of these certificates is to enable the inventor who has earned the medal, to produce evidence of such award at times and in places where the production of the original medal would be inconvenient. The cost of such certificates is but trifling and its expenditure is amply justified by the resulting encouragement and assistance to "men and women who make useful inventions."

At the commencement exercises of the Girls' High School, held in June last, the HANNAH M. DODD MEDALS were awarded as follows:—

#### GOLD MEDALS.

- General Course, to Miss Anna M. Georgeson.  
Commercial Course, to Miss Mabel Hollis.

#### SILVER MEDALS.

- General Course, to Miss Alma Cathryn Keller.  
Commercial Course, to Miss Lillian E. Raymond.

No loans have been made during the year from the funds provided by DR. BENJAMIN FRANKLIN and MR. JOHN SCOTT.

The assets of the BENJAMIN FRANKLIN FUND now amount to \$149,999.94, of which \$114,503.77 is applicable to the erection of the proposed Art Gallery in Fairmount Park.

Under the terms of the wills creating the various FUEL FUNDS, 1311 tons of coal were distributed during the winter of 1902-1903, at a cost to the trust funds of \$9,392.48, as follows:

Fund.	Tons.	Cost.
George Emlen . . . . .	24	\$216 79
City . . . . .	23	202 91
James Dutton . . . . .	17	152 44
Elias Boudinot . . . . .	26	126 25
Stephen Girard . . . . .	42½	374 14
Esther Waters . . . . .	48½	426 42
Paul Beck . . . . .	51½	453 65
Spring Garden . . . . .	8	70 93
Thomas D. Grover . . . . .	1,005	6,783 75
Mary Shields . . . . .	31	276 04
Seybert . . . . .	34½	309 16
Total . . . . .	1,311	<u>\$9,392 48</u>

In addition to the sum stated above as being paid by the Estate of Elias Boudinot for coal delivered, the recipients of coal furnished by this Estate, themselves paid \$3.50 per ton.

The difficulties surrounding the purchase and distribution of this coal in the winter of 1902-1903, excepting only that provided by the estate of Thomas D. Grover, were referred to in my report of one year ago. The great expense is evident on consideration of the above statement. The purchase of coal directly from the mine and its storage and delivery in Philadelphia under contract—while the only method of administering these trusts then available—could not, under the then prevalent circumstances, be other than expensive.

Excluding the "Grover" coal for which it was found to be possible to award a contract in the usual manner, the average cost of the coal delivered amounted per ton to \$8.83, varying from \$8.36 to \$9.04 per ton as the delivery was more or less costly. Under its special contract, the "Grover" coal cost delivered \$6.75 per ton.

The annuity of \$300 devised by MR. THOMAS D. GROVER to the Southwark Library Company has been paid.

The incomes of the PAUL BECK SOUP FUND, the ANDREW R. CHAMBERS FUND, and the SAMUEL SCOTTEN FUND, and the specific bequest provided in the will of THOMAS D. GROVER have been distributed to the various Soup Societies, as directed by the creators of the trusts. The sums paid to the Societies were:—

Central Soup Society.....	\$10 00
Northern Soup Society.....	10 00
Kensington Soup Society.....	10 00
Moyamensing Soup Society.....	10 00
Northwestern Soup Society.....	10 00
Spring Garden Soup Society.....	10 00
Southwark Soup Society.....	316 00
Western Soup Society.....	491 00
Total.....	<u>\$867 00</u>

Of the progress of the work of reforestation on the property belonging to the ESTATE OF DR. ELIAS BOUDINOT, there is little to report, except that during 1903 the efforts to prevent the encroachments of fire upon the protected area have been successful. From the portion of the tract on which it has been decided to be best to remove the marketable timber, collections of stumpage amounting to \$959.45 have been made, the funds thus received being added to the Capital Fund of the Estate.



By his will proved January 13th, 1903, Dr. Bushrod W. James bequeathed to the City of Philadelphia, in trust, an estate the estimated value of which is \$120,000, for the maintenance of an institute for the study and treatment of diseases of the eye, ear, nose, throat, heart, and lungs, and for the maintenance of a free public library. This estate is still in the hands of the Executors, who expect to file their account and distribute the funds in the Spring of 1904.

The cost of the general management of the Minor Trusts has amounted in 1903 to \$3,157.28, being .0023827 upon the invested capital.

Statements showing the invested capital, cash receipts, and cash payments of each of the Minor Trusts are appended hereto.

Very respectfully,

GEO. E. KIRKPATRICK,  
*Superintendent Minor City Trusts.*

PHILADELPHIA, December 31st, 1903.

# DETAILED STATEMENT

OF THE

## INVESTED CAPITAL

AT PAR VALUES OF STOCKS AND LOANS

DECEMBER 31st, 1903,

AND

## CASH RECEIPTS AND PAYMENTS

DURING THE YEAR 1903

OF THE

## MINOR TRUSTS

OF THE

CITY OF PHILADELPHIA.

## HOSPITALS.

## WILLS HOSPITAL.

Founded 1825.

Race Street, west of Eighteenth Street.

"For the relief of the Indigent Blind and Lame," where persons afflicted with the Diseases of the Eye and Limb will be treated free of charge, and, when requisite, admitted into the Hospital; preference being given, under the Will, to persons residing in Philadelphia and its neighborhood.

## Invested Capital, December 31st, 1903.

Hospital grounds and buildings . . . . .	\$150,000 00
Philadelphia City 4 per cent. loan . . . . .	4,500 00
"    3½    "    . . . . .	52,000 00
"    3    "    . . . . .	52,200 00
Pittsburgh City 4 per cent. loan . . . . .	22,000 00
Bonds and mortgages . . . . .	279,100 00
Ground rents . . . . .	2,950 00
	<u>\$562,750 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

## Income :—

Interest Philadelphia City loan . . .	\$3,414 25	
"    Pittsburgh City loan . . .	1,053 00	
"    bonds and mortgages . . .	12,152 22	
"    bank account . . . . .	28 61	
Ground rents . . . . .	156 50	
Sale of sundries, at Hospital . . .	485 34	
Commission on telephone receipts,	8 73	
	<u>\$17,298 65</u>	
Advance to steward—returned . . .	\$597 50	
Appropriation from State of Pennsylvania for maintenance, on account . . . . .	1,470 31	
	<u>2,067 81</u>	
		\$19,366 46
<i>Amount carried forward . . . . .</i>		<u>\$19,366 46</u>

## HOSPITALS.

## WILLS HOSPITAL.

<i>Amount brought forward</i> . . . . .		\$19,366 46
Legacies and donations :—		
Estate of Geo. W. Farr, Jr. . . . .	\$5,000 00	
“    Geo. S. Pepper . . . . .	550 00	
Sundry donors . . . . .	1,995 20	
		7,545 20
Principal of investments collected :—		
Pittsburgh City loan . . . . .	\$3,300 00	
Bonds and mortgages . . . . .	19,900 00	
		23,200 00
Premium on bonds sold . . . . .		327 56
<i>Cash balance, January 1st, 1903</i> . . . . .		1,129 36
		<u>\$51,568 58</u>

## PAYMENTS.

Maintenance :—		
Wages . . . . .	\$4,691 18	
Subsistence . . . . .	6,310 47	
Dry goods . . . . .	124 44	
Furniture . . . . .	2,811 80	
Sundry house expenses . . . . .	3,213 38	
Library . . . . .	3 00	
Medical expenses . . . . .	1,911 40	
Repairs . . . . .	1,381 74	
Miscellaneous expenses . . . . .	1,718 89	
		\$22,166 30
Investments :—		
Bonds and mortgages . . . . .	\$26,700 00	
Philadelphia City Loan . . . . .	1,300 00	
		28,000 00
Premiums on bonds purchased . . . . .	\$17 16	
Advance to superintendent to pay petty bills . . . . .	600 00	
		617 16
		<u>50,783 46</u>
<i>Cash balance, December 31st, 1903</i> . . . . .		<u>\$785 12</u>

## HOSPITALS.

## JOHN BLEAKLEY FUND.

Created 1802.

(YELLOW FEVER FUND.)

"To relieve those who may be reduced to the necessity of being placed in the hospital during the existence of yellow fever."

The Income of this Trust is transferred to the use of Wills Hospital, under certain restrictions, by Act of Assembly of Pennsylvania, approved April 16th, 1838.

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$1,850 00
" 3 " . . . . .	1,100 00
Pittsburgh City 4 " . . . . .	9,000 00
Pennsylvania Railroad Company stock (16 shares) . . . .	800 00
	<u>\$12,750 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$97 76
" Pittsburgh City loan . . . . .	360 00
" Bank account . . . . .	4 06
Dividend Pennsylvania Railroad Company stock . .	42 00
	<u>\$503 82</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	\$29 90
Premium on bonds purchased . . . . .	40 00
Investments:—	
Pennsylvania Railroad Company stock (4 shares),	200 00
	<u>269 90</u>
Cash balance December 31st, 1903 . . . . .	<u>\$233 92</u>



## HOSPITALS.

## MARY SHIELDS ALMSHOUSE FUND.

Created 1880.

"To relieve and make more comfortable the sick and insane poor at the Almshouse in  
"Philadelphia."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .		\$1,900 00
" 3½ " . . . . .		18,300 00
" 3 " . . . . .		15,700 00
Allegheny City 4 per cent. loan . . . . .		4,000 00
Pennsylvania State 4 per cent. loan . . . . .		1,200 00
North Carolina State 6 per cent. loan . . . . .		1,000 00
Girard National Bank stock . . . . .	8 shares	800 00
Manufacturers' National Bank stock . . . . .	2 "	200 00
Commercial National Bank stock . . . . .	6 "	72 00
National State Bank of Camden stock . . . . .	7 "	350 00
Pennsylvania Railroad Company stock . . . . .	243 "	12,150 00
North Pennsylvania Railroad Company stock . . . . .	54 "	2,700 00
Lehigh Valley Railroad Company stock . . . . .	53 "	2,650 00
Nesquehoning Valley Railroad Company stock . . . . .	33 "	1,650 00
Delaware and Bound Brook Railroad Company stock . . . . .	8 "	800 00
Lehigh Coal and Navigation Company stock . . . . .	10 "	500 00
Fredericksburg and Gordonsville Railroad Company bond . . . . .		1,000 00
Bonds and mortgages . . . . .		26,550 00
Ground rent, 1338 North Second Street . . . . .		1,333 33
House and lot, 1144 South Sixteenth Street . . . . .		2,000 00
Lot of ground, Edgmont Street . . . . .		500 00
		<u>\$95,355 33</u>

## HOSPITALS.

## MARY SHIELDS ALMSHOUSE FUND.

Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$1,114 00	
“ Pennsylvania State loan . . . . .	48 00	
“ Allegheny City loan . . . . .	160 00	
“ bonds and mortgages . . . . .	1,108 21	
“ bank account . . . . .	41 47	
Dividend Girard National Bank stock . . . . .	70 00	
“ National State Bank of Camden stock, . . . . .	32 52	
“ Manufacturers' National Bank stock . . . . .	10 00	
“ Pennsylvania Railroad Company stock, . . . . .	637 50	
“ North Pennsylvania R. R. Co. stock, . . . . .	216 00	
“ Nesquehoning Valley R. R. Co. stock, . . . . .	82 50	
“ Del. and Bound Brook R. R. Co. stock, . . . . .	64 00	
“ Lehigh Coal and Navigation Co. stock, . . . . .	30 00	
Ground rent . . . . .	80 00	
Rent of real estate . . . . .	189 34	
		\$3,883 54
Principal of investments collected:—		
Pittsburgh City loan . . . . .	\$4,400 00	
Mortgage loan . . . . .	4,000 00	
		8,400 00
Premium on bonds sold . . . . .		408 17
Cash balance, January 1st, 1903 . . . . .		240 23
		\$12,931 94

## PAYMENTS.

Salary of visiting physician . . . . .	\$700 00	
Furniture, pictures, &c. . . . .	200 10	
Books, games, musical instrum'ts, &c. . . . .	268 32	
Amusements . . . . .	919 75	
Improvement of diet . . . . .	1,467 64	
Material for making mattresses . . . . .	2,238 17	
		\$5,793 98
Expenses of real estate . . . . .	\$125 96	
Miscellaneous expenses . . . . .	228 18	
		354 14
Investments:—		
Lehigh Coal and Navigation Co. stock . . . . .	\$5 00	
Philadelphia City Loan . . . . .	1,600 00	
Mortgage loan . . . . .	2,000 00	
Girard National Bank stock . . . . .	200 00	
Pennsylvania R. R. Co. stock . . . . .	3,050 00	
		6,855 00
Premium and expenses of investment . . . . .	889 25	
		13,892 37
Cash balance, December 31st, 1903 (overdrawn) . . . . .		\$960 43

## HOUSE OF CORRECTION AND ALMSHOUSE.

## WILLIAM CARTER FUND.

Created 1739.

Income "To and for ye use and Service of ye alms houses belonging to ye sd City  
 " (Philadelphia), and for ye reliefe of ye poor people in the Same forever."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$50 00
" " 3½ " . . . . .	50 00
" 3 " . . . . .	1,100 00
Ground rent . . . . .	74 00
	<u>\$1,274 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$36 76
" bank account . . . . .	<u>1 50</u>
	\$38 26
<i>Cash balance, January 1st, 1903</i> . . . . .	68 34
	<u>\$106 60</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	<u>3 04</u>
<i>Cash balance, December 31st, 1903</i> . . . . .	<u>\$103 56</u>

## HOUSE OF CORRECTION AND ALMSHOUSE.

## ANN ARMITT FUND.

Created 1797.

" To the Overseers of the poor or the Managers of the Bettering House."

## Invested Capital, December 31st, 1903.

Ground rent, southeast corner Fifth and Plum Streets . . . . .	\$300 00
Philadelphia City 3½ per cent. loan . . . . .	150 00
"          4          " . . . . .	50 00
	<u>\$500 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$7 26	
"    bank account . . . . .	88	
Ground rent . . . . .	37 13	
	<u>          </u>	\$45 27
Cash balance, January 1st, 1903 . . . . .		38 03
		<u>\$83 30</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	I 20
Cash balance, December 31st, 1903 . . . . .	\$82 10
	<u>          </u>

## HOUSE OF CORRECTION AND ALMSHOUSE.

## JULIANA H. GOOD FUND.

Created 1876.

"Toward the maintenance of a House of Correction in said City" (Philadelphia).

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$100 00
"          3          " . . . . .	2,200 00
Penna. State 4          " . . . . .	700 00
	<u>\$3,000 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$69 50	
" Pennsylvania State loan . . . . .	28 00	
" bank account . . . . .	3 58	
		\$101 08
Cash balance, January 1st, 1903 . . . . .		112 57
		<u>\$213 65</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	7 15	
Cash balance, December 31st, 1903 . . . . .	\$206 50	
		<u></u>



## SCHOOLS.

## ROBERTS SCHOOL FUND.

Created 1763.

"For a Public School for the Instruction of the Children & other Inhabitants of the  
 "said (Bristol) Township, & the Northern Liberty & Oxford Township, or any Meeting  
 "the sd Township shall have Occasion as the said Trustees shall think fit Provided it  
 "dont interfere or interrupt the said School."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$100 00
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## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$3 00	
" bank account . . . . .	5 14	
	<u>\$8 14</u>	
Cash balance, January 1st, 1903 . . . . .		241 55
		<u>\$249 69</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	24
Cash balance, December 31st, 1903 . . . . .	<u>\$249 45</u>

## SCHOOLS.

## STEPHEN GIRARD SCHOOL FUND.

Created 1831.

"For the use of the schools upon the Lancaster system, in the first section of the first school district of Pennsylvania."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$5,000 00
Bonds and mortgages . . . . .	4,000 00
	<u>\$9,000 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$170 00	
" bonds and mortgages . . . . .	180 00	
" bank account . . . . .	8 26	
		<u>\$358 26</u>
<i>Cash balance, January 1st, 1903</i> . . . . .		349 51
		<u>\$707 77</u>

## PAYMENTS.

Library books for public schools . . . . .	\$348 98	
Miscellaneous expenses . . . . .	23 83	
		<u>372 81</u>
<i>Cash balance, December 31st, 1903</i> . . . . .		<u>\$334 96</u>

## SCHOOLS.

## RITTENHOUSE SCHOOL FUND.

Created 1839.

Income to be applied "to advance the education of the 'children of the vicinity' of the  
"old Rittenhouse Academy" (Roxborough).

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$1,000 00
" 3½ " . . . . .	225 00
" 3 " . . . . .	2,600 00
	<u>\$3,825 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$118 86	
" bank account . . . . .	6 85	
		<u>\$125 71</u>
Principal of investments collected :—		
Pittsburgh City loan . . . . .	200 00	
Premium on bonds sold . . . . .	18 56	
Cash balance, January 1st, 1903 . . . . .	269 56	
		<u>\$613 83</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	\$9 12	
Investments :—		
Philadelphia City loan . . . . .	200 00	
Premium on bonds purchased . . . . .	2 64	
		<u>211 76</u>
Cash balance, December 31st, 1903 . . . . .	\$402 07	

## SCHOOLS.

## SIMON MUHR SCHOLARSHIP FUND.

Created 1896.

“For the promotion of the welfare of children attending the Public Schools of the City  
“of Philadelphia.”

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$7,800 00
“ 3½ “ . . . . .	1,900 00
Bonds and mortgages . . . . .	57,000 00
	<u>\$66,700 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$297 00	
“ mortgage loans . . . . .	2,520 83	
“ bank account . . . . .	21 98	
	<u></u>	\$2,839 81
Principal of investments collected :—		
Bonds and mortgages . . . . .	2,200 00	
Cash balance, January 1st, 1903 . . . . .	323 72	
	<u></u>	\$5,363 53

## PAYMENTS.

Scholarships :—		
Jerome J. Rothschild . . . . .	\$400 00	
Harry M. Gosch . . . . .	399 99	
Esther E. Lape . . . . .	378 45	
Eleanor I. Burns . . . . .	403 75	
Alice E. MacQueen . . . . .	378 45	
Charles W. Meadowcroft, Jr. . . . .	381 26	
Miscellaneous expenses . . . . .	158 98	
	<u></u>	\$2,500 88
Investments :—		
Bonds and mortgages . . . . .	\$1,600 00	
Philadelphia City loan . . . . .	100 00	
	<u></u>	1,700 00
Premium and expenses of investments . . . . .	6 32	
	<u></u>	4,207 20
Cash balance, December 31st, 1903 . . . . .		<u>\$1 156 33</u>

## MEDALS.

## JOHN SCOTT MEDAL FUND.

Created 1816.

Income to "be laid out in premiums to be distributed among ingenious men and women who make useful inventions; \* \* \* and along with which shall be given a "copper medal."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$1,750 00
" 3½ " . . . . .	7,650 00
" 3 " . . . . .	36,900 00
Pennsylvania State 4 per cent. loan . . . . .	1,750 00
Allegheny City 4 per cent. loan . . . . .	5,000 00
Allegheny County 5 per cent. loan . . . . .	1,000 00
Bonds and mortgages . . . . .	12,800 00
	<u>\$66,850 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$1,416.76
" Pennsylvania State loan . . . . .	70 00
" Pittsburgh City loan . . . . .	20 00
" Allegheny City loan . . . . .	200 00
" Allegheny County loan . . . . .	50 00
" bonds and mortgages . . . . .	568 50
" bank account . . . . .	23 74
	<u>\$2,349 00</u>
Principal of investments collected :—	
Pittsburgh City loan . . . . .	1,000 00
Premium on bonds sold . . . . .	62 90
Cash balance, January 1st, 1903 . . . . .	82 64
	<u>\$3,494 54</u>

## PAYMENTS.

Premiums paid to inventors . . . . .	\$320 00
Advertising, engraving cases, &c. . . . .	449 58
Medals and Cases . . . . .	297 00
Miscellaneous expenses . . . . .	159.28
	<u>\$1,225 86</u>
Investments :—	
Philadelphia City loan . . . . .	600 00
Premium and expenses of investment . . . . .	7 92
	<u>1,833 78</u>
Cash balance, December 31st, 1903 . . . . .	<u>\$1,660 76</u>



## MEDALS.

## HANNAH MATILDA DODD FUND.

Created 1872.

Income "to procure gold and silver medals to be presented to the most distinguished graduates of the Girls' High School, with their name and year of graduating engraved thereon."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . . \$1,400 00

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$42 00	
" bank account . . . . .	35	
		\$42 35
<i>Cash balance, January 1st, 1903 . . . . .</i>		20 20
		\$62 55

## PAYMENTS.

Medals and engraving . . . . .	\$29 25	
Miscellaneous expenses . . . . .	3 34	
		32 59
<i>Cash balance, December 31st, 1903 . . . . .</i>		\$29 96

## MEDALS.

## OBADIAH WHEELOCK FUND.

Created 1887.

Income "to be awarded semi-annually, forever in Cash (not to be consolidated with any other prize), either in coin, or United States currency, to a Meritorious Scholar of "The Girls' Normal School of the City of Philadelphia."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$200 00
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## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$6 00	
" bank account . . . . .	1 67	
		\$7 67
Cash balance, January 1st, 1903 . . . . .		79 02
		\$86 69

## PAYMENTS.

Miscellaneous expenses . . . . .	48
Cash balance, December 31st, 1903 . . . . .	\$86 21

## LOANS TO ARTIFICERS.

## BENJAMIN FRANKLIN FUND.

Created 1790.

To be loaned to Young Married Artificers under the age of thirty-five years, who have served an apprenticeship in Philadelphia and faithfully fulfilled the duties required in their indentures, and who will furnish two satisfactory securities for the return of the money in ten annual instalments, with interest at 5 per cent.

At the expiration of one hundred years,  $\frac{1}{100}$  of the accumulated fund is to be expended "in Public Works which may be judged of most general utility to the Inhabitants, such as Fortifications, Bridges, Aqueducts, Public-Buildings, Baths, Pavements, or whatever may make living in the Town more convenient to its People and render it more agreeable to Strangers, resorting thither for Health or a temporary residence."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$50 00
" 3½ " . . . . .	32,850 00
" 3 " . . . . .	60,100 00
Pittsburgh City 5 per cent. loan . . . . .	2,000 00
" 4 " . . . . .	1,000 00
Pennsylvania State 4 per cent. loan . . . . .	100 00
Bonds and mortgages . . . . .	48,000 00
	<u>\$144,100 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$2,905 74
" Pittsburgh City loan . . . . .	140 00
" Pennsylvania State loan . . . . .	4 00
" bonds and mortgages . . . . .	2,090 00
" bank account . . . . .	38 43
	<u>\$5,178 17</u>
Principal of investments collected :—	
Pittsburgh City loan . . . . .	1,800 00
Premium on bonds sold . . . . .	166 98
Cash balance, January 1st, 1903 . . . . .	111 34
	<u>\$7,256 49</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	\$343 35
Investments :—	
Philadelphia City loan . . . . .	1,000 00
Premium and expenses of investment . . . . .	13 20
	<u>1,356 55</u>
Cash balance, December 31st, 1903 . . . . .	<u>\$5,899 94</u>

## LOANS TO ARTIFICERS.

## JOHN SCOTT LOAN FUND.

Created 1816.

To be applied to the same purposes as the legacy of Dr. Benjamin Franklin.

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$7,700 00
“ 3 “ . . . . .	19,800 00
Pittsburgh City 4 “ . . . . .	2,000 00
Bonds and mortgages . . . . .	3,600 00
	<u>\$33,100 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$718 25	
“ Pittsburgh City loan . . . . .	80 00	
“ bonds and mortgages . . . . .	178 80	
“ bank account . . . . .	32 91	
	<u></u>	\$1,009 96
Principal of investments collected :—		
Pittsburgh City loan . . . . .	\$3,000 00	
Bond and mortgage . . . . .	1,300 00	
	<u></u>	4,300 00
Premium on bonds sold . . . . .	278 30	
Cash balance, January 1st, 1903 . . . . .	181 51	
	<u></u>	\$5,769 77

## PAYMENTS.

Miscellaneous expenses . . . . .	\$78 87	
Investments :—		
Philadelphia City loan . . . . .	4,000 00	
Premium and expenses of investment . . . . .	52 80	
	<u></u>	4,131 67
Cash balance, December 31st, 1903 . . . . .	\$1,638 10	
	<u></u>	

## FUEL AND FOOD.

## CITY FUEL FUND.

Created 1793-1809.

Consists of the following five funds consolidated:—

The Freemasons' fund . . . . .	1793
Mr. Rickett's donation . . . . .	1793-1796
The Mayor's Court Fund . . . . .	1796-1809
Elizabeth Kearkpatrick's legacy . . . . .	1801
John Bleakley's legacy . . . . .	1802

Income to be distributed in Fuel among the Poor of the Old City of Philadelphia  
(Elizabeth Kearkpatrick's being without distinction of person or color.)

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$4,700 00
Pittsburgh City 4 per cent. loan . . . . .	2,000 00
	<u>\$6,700 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$141 00	
“ Pittsburgh City loan . . . . .	80 00	
“ bank account . . . . .	4 39	
		\$225 39
Cash balance, January 1st, 1903 . . . . .		227 32
		<u>\$452 71</u>

## PAYMENTS.

Fuel . . . . .	\$202 91	
Miscellaneous expenses . . . . .	23 33	
		226 24
Cash balance, December 31st, 1903 . . . . .		<u>\$226 47</u>



## FUEL AND FOOD.

## ARCHIBALD THOMSON FUND.

Created 1799.

Income to purchase Bread "for the Support of the poor of the City of Philadelphia."

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$300 00
" 3 " . . . . .	4,600 00
Pennsylvania State 4 per cent. loan . . . . .	500 00
Bond and mortgage . . . . .	1,500 00
Ground rent, northeast corner Second and Spruce Streets .	141 67
	<u>\$7,041 67</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$145 00
" Pennsylvania State loan . . . . .	20 00
" mortgage loan . . . . .	75 00
" bank account . . . . .	19 05
Ground rent . . . . .	8 50
	<u>\$267 55</u>
Principal of investments collected :—	
Pittsburgh City loan . . . . .	100 00
Premium on bonds sold . . . . .	9 28
Cash balance, January 31st, 1903 . . . . .	875 72
	<u>\$1,252 55</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	\$16 78
Investments :—	
Philadelphia City Loan . . . . .	100 00
Premium on bonds purchased . . . . .	1 32
	<u>118 10</u>
Cash balance, December 31st, 1903 . . . . .	<u>\$1,134 45</u>

## FUEL AND FOOD.

## SAMUEL SCOTTEN FUND.

Created 1810.

To "deliver to the poor of the said City (Philadelphia) and of Southwark twelve  
"dollars worth of bread," annually.

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$400 00
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## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$12 00	
" bank account . . . . .	16	
		\$12 16
<i>Cash balance, January 1st, 1903 . . . . .</i>		13 69
		\$25 85

## PAYMENTS.

Southwark Soup Society (for bread) . . . . .	\$6 00	
Western " " " . . . . .	6 00	
Miscellaneous expenses . . . . .	95	
		12 95
<i>Cash balance, December 31st, 1903 . . . . .</i>		\$12 90

## FUEL AND FOOD.

## JAMES DUTTON FUND.

Created 1813.

Income to be expended "in the purchase of Food Cloathing and Firewood Fuel," to be distributed "to and amongst the poor of the Township of the Northern Liberties "only."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$2,400 00
Pennsylvania State 4 per cent. loan . . . . .	200 00
Ground rents . . . . .	2,500 00
	<u>\$5,100 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$72 00	
" Pennsylvania State loan . . . . .	8 00	
" bank account . . . . .	6 13	
Ground rents . . . . .	150 00	
	<u></u>	\$236 13
Cash balance, January 1st, 1903 . . . . .		250 38
		<u>\$486 51</u>

## PAYMENTS.

Fuel . . . . .	\$152 44	
Miscellaneous expenses . . . . .	19 87	
	<u></u>	172 31
Cash balance, December 31st, 1903 . . . . .		<u>\$314 20</u>

## FUEL AND FOOD.

## ELIAS BOUDINOT FUND.

Created 1821.

Income "for the Supplying the poor inhabitants of the City and liberties of Philadelphia with the Householders (not able to provide it for themselves) at a price during "the Winter Season, not in any case exceeding the moderate average price of Wood "during the preceding Summer; (and that in Small quantities) with fuel of such kind "and Sorts as to the sd Mayor & Corporation may Seem more likely to answer the "purposes afd."

## Invested Capital, December 31st, 1903.

Real estate in Centre County, assessed value . . . . .	\$8,263 00
Philadelphia City 3½ per cent. loan . . . . .	2,100 00
"          3          " . . . . .	13,900 00
Pittsburgh City 4          " . . . . .	1,000 00
Bonds and mortgages . . . . .	25,300 00
	<u>\$50,563 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$473 00	
"    Pittsburgh          " . . . . .	40 00	
"    bonds and mortgages . . . . .	874 17	
"    bank account . . . . .	11 09	
Rent, &c., real estate in Centre County . . . . .	959 45	
	<u>          </u>	\$2,357 71
Principal of investments collected:—		
Bond and mortgage . . . . .	\$3,000 00	
Pittsburgh City loan . . . . .	3,500 00	
	<u>          </u>	6,500 00
Premium on bonds sold . . . . .		324 68
Cash balance, January 1st, 1903 . . . . .		260 31
		<u>\$9,442 70</u>

## PAYMENTS.

Fuel . . . . .	\$126 25	
Expenses of real estate . . . . .	941 38	
Miscellaneous expenses . . . . .	122 28	
	<u>          </u>	\$1,189 91
Investments:—		
Bond and mortgage . . . . .	\$8,500 00	
Philadelphia City loan . . . . .	500 00	
	<u>          </u>	9,000 00
Premium and expenses of investment . . . . .	11 60	
	<u>          </u>	10,201 51
Cash balance, December 31st, 1903 (overdrawn) . . . . .		\$758 81

## FUEL AND FOOD.

## STEPHEN GIRARD FUEL FUND.

Created 1831.

Income "to purchase fuel between the months of March and August in every year forever, and in the month of January in every year forever distribute the same, amongst "poor white housekeepers and roomkeepers, of good character, residing in the (old) "city of Philadelphia."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$800 00
Pennsylvania State 4 per cent. loan . . . . .	200 00
Reading Company, and the Philadelphia and Reading Coal and Iron Company general mortgage bonds . . . . .	9,000 00
	<u>\$10,000 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$24 00	
" Pennsylvania State loan . . . . .	8 00	
" Reading Company, and Philadelphia and Reading Coal and Iron Company general mortgage bonds . . . . .	360 00	
" bank account . . . . .	10 84	
	<u></u>	\$402 84
Cash balance, January 1st, 1903 . . . . .		429 97
		<u>\$832 81</u>

## PAYMENTS.

Fuel . . . . .	\$374 14	
Miscellaneous expenses . . . . .	34 26	
	<u></u>	408 40
Cash balance, December 31st, 1903 . . . . .		<u>\$424 41</u>



## FUEL AND FOOD.

## ESTHER WATERS FUND.

Created 1833.

Income to be used to "give distribute and deliver such Firewood or other Fuel to and  
"amongst such of the poor of the City of Philadelphia as shall be found upon careful  
"enquiry to be most deserving of such aid."

## Invested Capital, December 31st, 1903.

Lehigh Coal and Navigation Company loan . . . . .	\$10,463 69
---	-------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Lehigh Coal and Navigation Company loan, \$470 88		
" bank account . . . . .	11 75	
		\$482 63
Cash balance, January 1st, 1903 . . . . .		504 00
		<u>\$986 63</u>

## PAYMENTS.

Fuel . . . . .	\$426 42	
Miscellaneous expenses . . . . .	35 19	
		461 61
Cash balance, December 31st, 1903 . . . . .		<u>\$525 02</u>

## FUEL AND FOOD.

## PAUL BECK FUEL FUND.

Created 1844.

Income " to purchase fuel for the use and benefit of the Out-door poor, residing within  
" the Corporate Limits of said City " (old City of Philadelphia).

## Invested Capital, December 31st, 1903.

Ground rent, 218 Market Street . . . . .	\$8,333 33
--	------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Ground rent . . . . .	\$500 00	
Interest bank account . . . . .	11 19	
		\$511 19
<i>Cash balance, January 1st, 1903</i> . . . . .		556 52
		<u>\$1,067 71</u>

## PAYMENTS.

Fuel . . . . .	\$453 65	
Miscellaneous expenses . . . . .	30 49	
		484 14
<i>Cash balance, December 31st, 1903</i> . . . . .		<u>\$583 57</u>

## FUEL AND FOOD.

## PAUL BECK SOUP FUND.

Created 1844.

Income to be paid "to the Soup Societies established in the (old) City of Philadelphia, to aid such Societies in their humane Endeavors to supply the poor with Soup."

## Invested Capital, December 31st, 1903.

Ground rent, 220 Market Street . . . . .	\$8,333 33
--	------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Ground rent . . . . .	\$500 00	
Interest bank account . . . . .	9 27	
		\$509 27
<i>Cash balance, January 1st, 1903 . . . . .</i>		748 86
		<u>\$1,258 13</u>

## PAYMENTS.

Western Soup Society . . . . .	\$475 00	
Miscellaneous expenses . . . . .	19 86	
		494 86
<i>Cash balance, December 31st, 1903 . . . . .</i>		<u>\$763 27</u>

## FUEL AND FOOD.

## SPRING GARDEN FUEL FUND.

Created 1847.

Income to be "applied to the purchase of food and fuel, and no other purpose, and  
 "\* \* \* distributed during the winter months of each and every year, among such of  
 "the poor of said district (Spring Garden) as reside in said district, east of Broad Street."

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$300 00
" 3 " . . . . .	2,800 00
Pennsylvania State 4 per cent. loan . . . . .	100 00
	<u>\$3,200 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$94 50	
" Pennsylvania State loan . . . . .	4 00	
" bank account . . . . .	2 43	
		<u>\$100 93</u>
Cash balance, January 1st, 1903 . . . . .		116 59
		<u>\$217 52</u>

## PAYMENTS.

Fuel . . . . .	\$70 93	
Miscellaneous expenses . . . . .	13 94	
		<u>84 87</u>
Cash balance, December 31st, 1903 . . . . .		<u>\$132 65</u>

## FUEL AND FOOD.

## THOMAS D. GROVER FUND.

Created 1849.

Income to be distributed—to the Southwark Library Co., \$300 per annum; in bread and soup, among the poor persons residing in the district of Southwark, \$300 per annum, and the balance of the income, in fuel "among white widows of respectable character, who are housekeepers or roomkeepers, born within the limits of the United States of America, whose husbands shall have died within the present defined boundaries of the district of Southwark."

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$32,100 00
"          3      "          . . . . .	24,200 00
Allegheny City 4      "          . . . . .	10,000 00
Bonds and mortgages . . . . .	13,200 00
Ground rent . . . . .	75,000 00
Spring Garden Insurance Company stock (32 shares) . . . .	1,600 00
Real estate, assessed value . . . . .	5,000 00
	<u>\$161,100 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$1,804 00	
" Harrisburg " . . . . .	600 00	
" Allegheny " . . . . .	400 00	
" Pittsburgh " . . . . .	175 00	
" bonds and mortgages . . . . .	449 75	
" bank account . . . . .	187 53	
Dividend Spring Garden Insurance Co. stock . . . . .	96 00	
Ground rents . . . . .	3,000 00	
Rent of real estate . . . . .	288 83	
Principal of investments collected:—		\$7,001 11
Pittsburgh City loan . . . . .	\$5,300 00	
Harrisburg " . . . . .	10,000 00	
Bond and mortgage . . . . .	1,000 00	
		16,300 00
Premium on bonds sold . . . . .		1,181 50
Cash balance, January 1st, 1903 . . . . .		9,038 78

## PAYMENTS.

Southwark Library Company . . . . .	\$300 00	
Southwark Soup Society . . . . .	300 00	
Fuel . . . . .	6,783 75	
Expenses of real estate . . . . .	211 05	
Miscellaneous expenses . . . . .	506 47	
Investments:—		\$8,101 27
Philadelphia City loan . . . . .	\$1,300 00	
Bond and mortgage . . . . .	5,000 00	
		6,300 00
Premium and expenses of investment . . . . .		29 66
		14,430 93
Cash balance, December 31st, 1903 . . . . .		\$19,090 46



## FUEL AND FOOD.

## ANDREW R. CHAMBERS FUND.

Created 1871.

Income to be paid "to the various 'Soup Societies' of the City of Philadelphia every year so long as the said Societies shall continue their charities to the poor."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$2,000 00
--	------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$60 00	
" bank account . . . . .	85	
		\$60 85
Cash balance, January 1st, 1903 . . . . .		81 82
		<u>\$142 67</u>

## PAYMENTS.

Central Soup Society . . . . .	\$10 00	
Northern Soup Society . . . . .	10 00	
Kensington Soup Society . . . . .	10 00	
Moyamensing Soup Society . . . . .	10 00	
Northwestern Soup Society . . . . .	10 00	
Spring Garden Soup Society . . . . .	10 00	
Southwark Soup Society . . . . .	10 00	
Western Soup Society . . . . .	10 00	
Miscellaneous expenses . . . . .	4 77	
		<u>84 77</u>
Cash balance, December 31st, 1903 . . . . .		\$57 90

## FUEL AND FOOD.

## FREDERIC A. SHEAFF FUEL FUND.

Created 1874.

Income "to purchase fuel between the months of March and September in every year forever and in the month of February in every year forever to distribute the same among poor housekeepers and roomkeepers of good character residing in the city of Philadelphia."

## Invested Capital, December 31st, 1903.

Real estate, assessed value . . . . .	\$3,200 00
---------------------------------------	------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

RECEIPTS.		
Rent of real estate . . . . .	\$312 00	
Cash balance, January 1st, 1903 (overdrawn)	600 66	
	<u>          </u>	\$288 66
PAYMENTS.		
Expenses of real estate . . . . .	\$80 29	
Miscellaneous expenses . . . . .	6 84	
	<u>          </u>	87 13
Cash balance, December 31st, 1903 (overdrawn) . . .		<u>\$375 79</u>

## FUEL AND FOOD.

## MARY SHIELDS FUEL FUND.

Created 1880.

"To apply the interest thereof to the purchase of Coal, and to distribute the same  
"in the fall and winter months to indigent widows—single women, and men, without  
"respect to color."

## Invested Capital, December 31st, 1903.

Philadelphia City 3½ per cent. loan . . . . .	\$3,900 00
" 3 " . . . . .	4,900 00
Pittsburgh City 4 per cent. loan . . . . .	1,000 00
Pennsylvania State 4 per cent. loan . . . . .	200 00
	<hr/>
	\$10,000 00
	<hr/>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$269 50	
" Pittsburgh City loan . . . . .	40 00	
" Pennsylvania State loan . . . . .	8 00	
" bank account . . . . .	9 67	
Principal of investments collected:—	<hr/>	\$327 17
Pittsburgh City loan . . . . .		400 00
Premium on bonds sold . . . . .		37 10
Cash balance, January 1st, 1903 . . . . .		364 86
		<hr/>
		\$1,129 13

## PAYMENTS.

Fuel . . . . .	\$276 04	
Miscellaneous expenses . . . . .	33 00	
Investments:—	<hr/>	\$309 04
Philadelphia City loan . . . . .		400 00
Premium on bonds purchased . . . . .		5 28
	<hr/>	714 32
Cash balance, December 31st, 1903 . . . . .		\$414 81
		<hr/>

## FUEL AND FOOD.

## SEYBERT FUND.

Created 1883.

Income "for the distribution of Fuel and Bread amongst the deserving Poor, during  
"the Winter season."

## Invested Capital, December 31st, 1903.

Bond and mortgage . . . . . \$10,000 00

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest bond and mortgage . . . . .	\$400 00	
" bank account . . . . .	8 22	
		\$408 22
<i>Cash balance, January 1st, 1903</i> . . . . .		396 28
		<u>\$804 50</u>

## PAYMENTS.

Fuel . . . . .	\$309 16	
Miscellaneous expenses . . . . .	32 81	
		341 97
<i>Cash balance, December 31st, 1903</i> . . . . .		<u>\$462 53</u>

## MISCELLANEOUS.

## JAMES CLAYPOOLE FUND.

Created 1769.

"For the Benefit and relief of the Poor of the said City of Philadelphia."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$50 00
" 3½ " . . . . .	50 00
" 3 " . . . . .	800 00
Deposit Philadelphia Saving Fund . . . . .	50 00
	<u>\$950 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$27 75	
" bank account . . . . .	1 60	
		<u>\$29 35</u>
Cash balance, January 1st, 1903 . . . . .	75 13	

\$104 48

## PAYMENTS.

Miscellaneous expenses . . . . .	2 27	
		<u>\$102 21</u>
Cash balance, December 31st, 1903 . . . . .		



## MISCELLANEOUS.

## GEORGE EMLÉN FUND.

Created 1776.

Income "to be laid out and distributed \* \* \* during the four Winter Months  
 " \* \* \* to Objects included either in the City or two Suburbs of Philada. \* \* \*  
 "and if \* \* \* a sufficient Number of such Objects Cannot Some Times be found  
 " \* \* \* to Buying some warm cheap Clothing to be given to such Objects as are  
 "Discharged from said Betering House and Hospital."

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$2,800 00
Reading Company and Philadelphia and Reading Coal and Iron Company general mortgage bonds . . . . .	5,000 00
Deposit Philadelphia Saving Fund . . . . .	11 18
	<u>\$7,811 18</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$84 00	
" Reading Company and Philadelphia and Reading Coal and Iron Com- pany general mortgage bonds . . .	200 00	
" bank account . . . . .	6 69	
		\$290 69
Cash balance, January 1st, 1903 . . . . .		285 56
		<u>\$576 25</u>

## PAYMENTS.

Fuel . . . . .	\$216 79	
Miscellaneous expenses . . . . .	27 70	
		244 49
Cash balance, December 31st, 1903 . . . . .		<u>\$331 76</u>

# MISCELLANEOUS.

## B. W. AND J. W. MORRIS FUND.

Created 1806.

"To the only proper use and Behoof of the Guardians of the poor of the City of Philadelphia the district of Southwark and the Township of the Northern Liberties."

### Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$1,000 00
--	------------

### Cash Receipts and Payments, January 1st to December 31st, 1903.

#### RECEIPTS.

Interest Philadelphia City loan . . . . .	\$30 00	
" bank account . . . . .	3 85	
		\$33 85
Cash balance, January 1st, 1903 . . . . .		182 13
		<hr/>
		\$215 98

#### PAYMENTS.

Miscellaneous expenses . . . . .	2 39	
Cash balance, December 31st, 1903 . . . . .	\$213 59	
		<hr/>

## MISCELLANEOUS.

## BERNARD McMAHON FUND.

Created 1816.

"For the use of the poor of Penn Township."

## Invested Capital, December 31st, 1903.

Philadelphia City 4 per cent. loan . . . . .	\$50 00
“ 3½ “ . . . . .	150 00
“ 3 “ . . . . .	500 00
	<u>\$700 00</u>

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$22 24	
“ bank account . . . . .	77	
	<u></u>	\$23 01
Cash balance, January 1st, 1903 . . . . .		35 68
		<u>\$58 69</u>

## PAYMENTS.

Miscellaneous expenses . . . . .	1 67	
Cash balance, December 31st, 1903 . . . . .	\$57 02	
	<u></u>	

## MISCELLANEOUS.

## JACOB J. SNYDER FUND.

Created 1874.

Income to be "expended yearly by the Directors of City Trust as they may deem  
"best in aid of the poor people in this City" (Philadelphia).

## Invested Capital, December 31st, 1903.

Philadelphia City 3 per cent. loan . . . . .	\$11,000 00
--	-------------

## Cash Receipts and Payments, January 1st to December 31st, 1903.

## RECEIPTS.

Interest Philadelphia City loan . . . . .	\$330 00	
"    bank account . . . . .	3 06	
	<hr/>	\$333 06

## PAYMENTS.

Miscellaneous expenses . . . . .	26 21	
Cash balance, December 31st, 1903 . . . . .	<hr/>	\$306 85

Respectfully submitted,

GEO. E. KIRKPATRICK,  
*Superintendent Minor City Trusts.*

PHILADELPHIA, December 31st, 1903.

## APPENDIX G.

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# WILLS HOSPITAL,

Race Street, between Eighteenth and Nineteenth Streets.

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### CONSULTING SURGEONS.

GEORGE STRAWBRIDGE, M. D.  
ANDREW DOUGLASS HALL M. D.  
GEORGE C. HARLAN, M. D.  
WILLIAM THOMSON, M. D.

### ATTENDING SURGEONS.

CONRAD BERENS, M. D.  
FRANK FISHER, M. D.  
W. W. McCLURE, M. D.  
CHARLES A. OLIVER, M. D.  
WILLIAM C. POSEY, M. D.  
McCLUNEY RADCLIFFE, M. D.  
SAMUEL D. RISLEY, M. D.  
P. N. K. SCHWENK, M. D.  
WILLIAM ZENTMAYER, M. D.  
S. LEWIS ZEIGLER, M. D.

### ASSISTANT SURGEONS.

WALTER L. PYLE, M. D.  
WILLIAM H. L. HALE, M. D.  
JOHN T. KRALL, M. D.  
CHARLES J. JONES, M. D.  
ARCHIBALD G. THOMSON, M. D.  
GEORGE ROBINSON, JR., M. D.  
WILLIAM J. HAIN, M. D.  
BURTON K. CHANCE, M. D.  
J. HILAND DEWEY, M. D.  
PAUL J. PONTIUS, M. D.

### EXECUTIVE MEDICAL OFFICER.

McCLUNEY RADCLIFFE, M. D.

### CURATOR AND PATHOLOGIST.

HAROLD G. GOLDBERG, M. D.

### RESIDENT SURGEONS.

JOHN R. TAYLOR, M. D.  
ROBERT I. BULLARD, M. D.

### SUPERINTENDENT.

WALTER D. GRISCOM.

### MATRON.

MARY M. GRISCOM.

CLINIC HOURS.—From 2 to 3 P.M. daily (Sundays excepted), at which time the Surgeons are in attendance for the examination and treatment of the patients presenting themselves.

The Clinics are open to all regular Practitioners and Students of Medicine who desire to study the diseases of the eye.



## WILLS HOSPITAL.

### REPORT OF THE SURGICAL STAFF FOR THE YEAR 1903.

*To the Board of Directors of City Trusts:*

GENTLEMEN:—Although seriously hampered during the first half of the year, by the meagreness of the sum available for the maintenance of the Wills Hospital, the Board of Surgeons fully appreciates the many difficulties which have surrounded the financial management, and is gratified to know that its earnest efforts to aid in the work of the Hospital have met with so full a measure of success. During the time of greatest stress, through personal efforts of the Surgeons, many contributions were secured—before, on, and after Founder's Day—and it is the sincere hope of the Staff that these contributions and donations may continue, and its desire here to express its sincere gratitude for these gifts and to convey to the donors that of the patients.

During the last half of the year there was some relaxation of this great financial tension afforded by the appropriation by the State Legislature of \$10,000 per annum, maintenance for two years, and of \$10,000 for permanent improvements. We wish to express to the Honorable Governor of the State of Pennsylvania our full appreciation of his course in signing the appropriation without any reduction, and to assure the individual members of the Legislature that we are glad to know how fully they recognize the fact that nearly every county of the State has received the benefits of the Hospital. It is one thing to send a blind poor man to the county poor-house, quite a different thing to send him to the hospital and have him returned to the county as a producing member of the community. This financial aid is for specific purposes, while the necessity for further financial aid still remains urgent, since the noble reputation of the Hospital for great and widespread good to this and other communities, acquired by some seventy years of earnest and efficient efforts, only makes the demands upon its resources greater.

The records show over five thousand operations performed, of which more than three thousand were upon the cornea alone. The vast majority of these cases comes from local manufactories, machine shops, and foundries. Surely no better cause for appeal to those conducting these industries could be found. More than two hundred operations for the extraction of cataract were performed. In almost every instance, each of these patients required a caretaker or nurse. This being the case, his restoration to sight means not only his return to the community as a producer, but also that of the caretaker as well—a double benefit to the State.

The summary shows many other cases where the skillful ministrations of the Staff, the earnest efforts of the House Surgeons, and the efficient services of our specially trained nurses have all contributed to save a man or a woman or a child from blindness and possibly the poorhouse. The fact that this is one of the very few hospitals throughout this country where there is no source of income from renting private rooms seems to need noting. All patients receive the same care and attention in the open wards without any charge, and the Hospital attendants alone receive remuneration.

During the past year more than five thousand persons have had their errors of refraction corrected. The majority of these patients is employed in the many textile mills in and about our city and also in our many retail establishments. A direct, personal appeal to the employers of these individuals should result in great benefit to the Hospital. Founder's Day, April 2d, should be earnestly considered and preparations made for appropriate services to be held at the Hospital. Every effort should be made to secure not only contributions, but also a large attendance at such a time. Surely concerted effort to secure funds for special, immediate necessities, and also for permanent endowment, should be rewarded by good results. The demands upon us are great and oftentimes vital, our resources are small. The Contagious Ward is still uncompleted; the demand for it by unhappy mothers with children rapidly becoming blind, and thus wards of the State, is simply pitiful. Eager, earnest

efforts should be made to complete at least one of these wards in the now unfinished building, and then greater efforts should be put forth for maintenance. The need of a pathological laboratory is greatly felt, and absence of a room and the apparatus for Roentgen ray examinations is a waste, as the expenditures which we are now compelled to make would pay a handsome interest upon the sum necessary to equip such a laboratory.

The demand for nurses specially qualified for caring for eye cases, especially of the operative and contagious classes, is large. This, of all hospitals, should be the place for such special teaching. We need more room to accommodate our own nursing staff, and still more for those desiring to acquire this special knowledge.

The Surgeons desire to express their sincere appreciation of the energy, judgment, and tact of Mr. Griscom, the Superintendent, under most trying circumstances, when at times there were many applications for each bed at his disposal. The results attained this year in the clinical service afforded by Wills Hospital are considered highly gratifying, and we congratulate you upon the happy outcome of your administration of the limited funds of the Institution.

The following statement shows the number and character of operations performed by your Surgeons during the year:—

#### SUMMARY OF OPERATIONS.

Cataract (primary and secondary) . . . . .	237
On the iris . . . . .	78
“ “ cornea . . . . .	3,886
“ “ conjunctiva and sclera . . . . .	113
Enucleation of the eyeball . . . . .	113
On the lachrymal apparatus . . . . .	474
“ “ lids and eyebrows . . . . .	369
“ “ muscles . . . . .	69
“ “ orbit and sinuses . . . . .	15
Foreign body in the vitreous . . . . .	7
Total . . . . .	<u>5,361</u>

CONRAD BERENS,  
S. LEWIS ZIEGLER,  
*Committee.*

# WILLS HOSPITAL.

## REPORT OF THE SUPERINTENDENT FOR THE YEAR 1903.

### HOUSE PATIENTS.

	Males.	Females.	Total.
Number in the House, January 1, 1903 . . . . .	9	6	15
Admitted in 1903 . . . . .	439	165	604
	448	171	619
Discharged in 1903 . . . . .	411	161	572
Number in the House, December 31, 1903 . . . . .	37	10	47

<i>While in the House there were</i>	<i>Residence of those admitted.</i>
Cured . . . . . 364	Philadelphia . . . . . 262
Improved . . . . . 167	Other parts of Pennsylvania . . . . . 267
Unimproved . . . . . 18	Elsewhere . . . . . 75
Died . . . . . 5	
Eloped . . . . . 18	
Total . . . . . 572	Total . . . . . 604

### DISPENSARY PATIENTS.

The total number of patients admitted for treatment at the clinics was 14,249, of which 3395 were cases of foreign body in the eye, which were treated by the Resident Surgeons.

#### *Residence of those Treated at the Clinics.*

Philadelphia . . . . .	11,799
Other parts of Pennsylvania . . . . .	1,564
Elsewhere . . . . .	886
Total . . . . .	14,249

The patients admitted to the wards and treated at the clinics together were 14,853. The nativity of these was :

Africa . . . . . 1	Forward . . . . . 1,613	Forward . . . . . 3,469
Armenia . . . . . 2	Greece . . . . . 5	Roumania . . . . . 41
Australia . . . . . 2	Hindoostan . . . . . 1	Russia . . . . . 607
Canada . . . . . 165	Holland . . . . . 9	Scotland . . . . . 129
Barbadoes . . . . . 3	Hungary . . . . . 51	Servia . . . . . 3
Belgium . . . . . 2	Iceland . . . . . 1	Sicily . . . . . 1
Bohemia . . . . . 6	Ireland . . . . . 1,381	South America, . . . . . 3
Canada . . . . . 42	Italy . . . . . 290	Sweden . . . . . 78
China . . . . . 7	Japan . . . . . 2	Switzerland . . . . . 26
Cuba . . . . . 4	Mexico . . . . . 2	Syria . . . . . 3
Denmark . . . . . 21	Newfoundland, . . . . . 6	Turkey . . . . . 7
England . . . . . 450	Norway . . . . . 23	United States . . . . . 10,438
Finland . . . . . 4	Poland . . . . . 80	Wales . . . . . 26
France . . . . . 27	Porto Rico . . . . . 1	West Indies . . . . . 22
Germany . . . . . 877	Portugal . . . . . 4	Total . . . . . 14,853
Forward . . . . . 1,613	Forward . . . . . 3,469	

The place of residence of the patients treated at the Hospital during 1903 was :

PENNSYLVANIA :		House Patients.	Clinic Patients.	Total.
Adams	County . . . . .	1	0	1
Allegheny	" . . . . .	2	5	7
Beaver	" . . . . .	1	3	4
Bedford	" . . . . .	1	4	5
Berks	" . . . . .	10	48	58
Blair	" . . . . .	15	35	50
Bradford	" . . . . .	3	8	11
Bucks	" . . . . .	4	114	118
Butler	" . . . . .	0	1	1
Cambria	" . . . . .	1	2	3
Cameron	" . . . . .	0	1	1
Carbon	" . . . . .	6	20	26
Centre	" . . . . .	8	2	10
Chester	" . . . . .	7	107	114
Clarion	" . . . . .	1	1	2
Clearfield	" . . . . .	4	13	17
Clinton	" . . . . .	4	4	8
Columbia	" . . . . .	2	8	10
Cumberland	" . . . . .	1	8	9
Dauphin	" . . . . .	13	28	41
Delaware	" . . . . .	12	374	386
Elk	" . . . . .	1	3	4
Franklin	" . . . . .	1	3	4
Greene	" . . . . .	0	1	1
Huntingdon	" . . . . .	0	6	6
Jefferson	" . . . . .	0	1	1
Juniata	" . . . . .	2	2	4
Lackawanna	" . . . . .	15	15	30
Lancaster	" . . . . .	10	27	37
Lawrence	" . . . . .	0	3	3
Lebanon	" . . . . .	1	7	8
Lehigh	" . . . . .	12	27	39
Luzerne	" . . . . .	28	52	80
Lycoming	" . . . . .	4	5	9
McKean	" . . . . .	0	1	1
Mifflin	" . . . . .	9	6	15
Monroe	" . . . . .	2	0	2
Montgomery	" . . . . .	25	455	480
Northampton	" . . . . .	10	32	42
<i>Forward</i> . . . . .		216	1,432	1,648



	House Patients.	Clinic Patients.	Total.
<i>Forward</i> . . . . .	216	1,432	1,648
Northumberland County . . . . .	5	15	20
Perry " . . . . .	4	0	4
Philadelphia " . . . . .	262	11,799	12,061
Schuylkill " . . . . .	35	103	138
Snyder " . . . . .	1	1	2
Somerset " . . . . .	0	4	4
Sullivan " . . . . .	0	2	2
Tioga " . . . . .	2	0	2
Union " . . . . .	0	1	1
Warren " . . . . .	0	1	1
Wayne " . . . . .	0	1	1
Westmoreland " . . . . .	3	0	3
Wyoming " . . . . .	0	2	2
York " . . . . .	1	2	3
Total from Pennsylvania . . . . .	<u>529</u>	<u>13,363</u>	<u>13,892</u>
NEW JERSEY . . . . .	59	754	813
DELAWARE . . . . .	6	75	81
MARYLAND . . . . .	2	25	27
VIRGINIA . . . . .	2	11	13
NEW YORK . . . . .	0	8	8
OHIO . . . . .	1	5	6
MINNESOTA . . . . .	0	1	1
WEST VIRGINIA . . . . .	0	1	1
MASSACHUSETTS . . . . .	0	1	1
INDIANA . . . . .	0	1	1
KENTUCKY . . . . .	0	1	1
DISTRICT OF COLUMBIA . . . . .	1	1	2
MONTANA . . . . .	1	0	1
MICHIGAN . . . . .	0	1	1
NORTH CAROLINA . . . . .	3	0	3
WASHINGTON . . . . .	0	1	1
	<u>604</u>	<u>14,249</u>	<u>14,853</u>

Respectfully submitted,

WALTER D. GRISCOM,  
*Superintendent.*

PHILADELPHIA, December 31st, 1903.

## AUDITORS' CERTIFICATE.

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We hereby certify that we have audited the accounts of the GIRARD ESTATE and of the MINOR TRUSTS, of the City of Philadelphia, for the year ended December 31st, 1903, and found the same to be correct, and correctly summarized in the foregoing reports of the Superintendent, pages 47-72 and 217-254.

JOHN HEINS & CO.,  
*Public Accountants and Auditors.*

642-644 DREXEL BUILDING, PHILADELPHIA.













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